

**2017 OU2 GROUNDWATER INVESTIGATION  
DATA SUMMARY REPORT  
VPB169**

**NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)  
SITE 1 OU2  
BETHPAGE, NY**

**Prepared for:**



**Department of the Navy  
Naval Facilities Engineering Command, Atlantic  
9324 Virginia Avenue  
Building Z-144  
Norfolk, Virginia 23511**

**January 2018**

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**Prepared by:**



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**Contract Number: N62470-11-D-8013  
CTO WE15**

**January 2018**

A handwritten signature in cursive script that reads "Brian Caldwell".

**Brian Caldwell  
Contract Task Order Manager**

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## List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
CSM	Conceptual Site Model
DoD	Department of Defense
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency, United States
ESS	Environmental Sequence Stratigraphy
ft	feet
GOCO	Government-Owned Contractor-Operated
GPS	Global Positioning System
IDW	Investigation Derived Waste
IR	Installation Restoration
Katahdin	Katahdin Analytical Services
NAD	North American Datum
NAVD	North American Vertical Datum
NAVFAC	Naval Facilities Engineering Command
NG	Northrop Grumman
NWIRP	Naval Weapons Industrial Reserve Plant
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
PPE	Personal Protective Equipment
SAP	Sampling and Analysis Plan
SVOC	Semivolatile Organic Compounds
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
UFP	United Federal Programs

VOC                   Volatile Organic Compounds  
VPB                   Vertical Profile Boring

## 1.0 PROJECT BACKGROUND

Resolution Consultants has prepared this Data Summary Report for the Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic under contract task order WE15 Contract N62470-11-D-8013. This report describes vertical profile boring (VPB) installation activities (specifically at the VPB169 location) in 2017 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 offsite plume. NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30 miles east of New York City (Figure 1).

### 1.1 Scope and Objectives

This data summary report provides information on the installation of VPB169. The purpose of the VPB169 investigation was to ascertain subsurface conditions and contaminant levels west of North Wantagh Avenue. VPB locations within the general vicinity of VPB169 are shown in Figure 2. VPB169 was completed to 1030 feet (ft) below ground surface (bgs).

Field tasks were conducted in 2017 in accordance with the *United Federal Programs Sampling and Analysis Plan (UFP SAP) Site 1 OU2 Offsite TCE Groundwater Plume Investigation*, NWIRP, Bethpage, New York (Resolution Consultants, 2013a) and the *UFP SAP Addendum Installation of Vertical Profile Borings and Monitoring Wells* (Resolution Consultants, 2013b). The field investigation included completing one vertical profile boring, groundwater grab samples, geophysical logging, and surveying.

Documentation of these activities is included in Appendix A of this report.

### 1.2 Site History

NWIRP Bethpage is in the Hamlet of Bethpage, Town of Oyster Bay, New York. Since its inception in 1941, the plant's primary mission was the research, prototyping, testing, design, engineering, fabrication, and primary assembly of military aircraft. The facilities at NWIRP included four plants used for assembly and prototype testing, a group of quality control laboratories, two warehouse complexes (north and south), a salvage storage area, water recharge basins, the Industrial Wastewater Treatment Plant, and several smaller support buildings.

The Navy's property originally totaled 109.5 acres and was formerly a Government-Owned Contractor-Operated (GOCO) facility that was operated by Northrop Grumman (NG) until September 1998. Prior to 2002, the NWIRP property was bordered on the north, west, and south

by current or former NG facilities, and on the east by a residential neighborhood. By March 2008, approximately 100 acres of NWIRP property were transferred to Nassau County in three separate actions. The remaining 9 acres and access easements were retained by the Navy to continue remedial efforts at Installation Restoration (IR) Site 1 – Former Drum Marshalling Area and Site 4 – Former Underground Storage Tanks (Area of Concern [AOC] 22). A parcel of land connecting the two sites was also retained. Currently, the 9-acre parcel of NWIRP is bordered on the east by a residential neighborhood and on the north, south, and west by Steel Equities; however, a small portion near Sites 2 and 3 is still owned by Nassau County. Access to the NWIRP is from South Oyster Bay Road.

### **1.3 Geology and Hydrogeology**

Overburden at the site consists of well over 1,000 ft of unconsolidated deposits overlying crystalline bedrock of the Hartland Formation. Overburden is divided into four geologic units: the upper Pleistocene deposits, the Magothy Formation, the clay member of the Raritan Formation ("Raritan Clay") and the Lloyd Sand member of the Raritan Formation ("Lloyd Sand") (Geraghty and Miller, 1994).

The upper Pleistocene ranges in thickness from approximately 50 to 100 ft and consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1988); these deposits form the Upper Glacial Aquifer. Directly underlying this unit is the Magothy Formation with a thickness of 650 to 900 ft that extends to a depth of 700 to 1,000 ft bgs, as observed at the former NWIRP and extending southeast to areas south of Southern State Parkway. Locally at VPB169, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 839 feet bgs. At this location, the Raritan exhibited a greater silt/sand component than elsewhere in the offsite plume, making it difficult to identify. As a result, the borehole was advanced to 1030 ft, where it is believed the Lloyd was encountered. The Magothy is characterized by fine to medium sands and silts interbedded with zones of clays, silty sands and sandy clays. Sand and gravel lenses are found in some areas between depths of 600 and 880 ft bgs; these deposits form the main producing zones of the Magothy Aquifer.

Investigations performed by the Navy since 2012 indicate that the bottom of the Magothy (top of the Raritan Clay) can extend to depths of 700 to greater than 1,000 ft bgs. The top of the Raritan Clay deepens to the south-southeast, as evidenced by clay depths of 1,000 ft bgs (or more) in borings installed offsite. The Raritan Clay Unit is of continental origin and consists of clay, silty clay, clayey silt, and fine silty sand. This member acts as a confining layer over the Lloyd Sand Unit. The

Lloyd Sand Unit is also of continental origin, having been deposited in a large fresh water lacustrine environment. The material consists of fine to coarse-grained sands, gravel, inter-bedded clay, and silty sand. These deposits form the Lloyd Aquifer.

The Upper Glacial Aquifer and the Magothy Aquifer comprise the aquifers of interest at the NWIRP. Regionally, these formations are generally considered to form a common, interconnected aquifer as the coarse nature of each unit near their contact and the lack of any regionally confining clay unit allows for the unrestricted flow of groundwater between the formations.

The Magothy Aquifer is the major source of public water in Nassau County. The most productive water bearing zones are the discontinuous lenses of sand and gravel that occur within the siltier matrix. The major water-bearing zones are coarse sand and gravel lenses located in the lower portion of the Magothy. The Magothy Aquifer is commonly regarded to function overall as an unconfined aquifer at shallow depths and a confined aquifer at deeper depths. The drilling program at the NWIRP has revealed that clay zones beneath the facility are common but laterally discontinuous. No confining clay units of facility-wide extent have been encountered.

Groundwater is encountered at a depth of approximately 50 ft bgs at the facility. Historically, because of pumping and recharge at the facility, groundwater depths have been measured to range from 40 to 60 ft bgs. The groundwater flow in the area is to the south-southeast.

Resolution Consultants reviewed the geologic data and regional literature and developed four representative base-wide cross sections to support development of a Conceptual Site Model (CSM). A description of the application of Environmental Sequence Stratigraphy (ESS) and the results are provided in Appendix B.

## 2.0 FIELD PROGRAM

Field investigation activities at VPB169 consisted of drilling, sampling, soil/groundwater analysis, geophysical logging, and surveying. Drilling during this investigation was performed by Delta Well and Pump Company of Ronkonkoma, New York. A description of these tasks is provided below.

### 2.1 Vertical Profile Borings

One vertical profile boring (VPB169) was completed during this field effort between April 28, 2017 and June 28, 2017. The total depth of VPB169 was 1030 ft. The location is shown in Figure 2 and details are summarized in Table 1.

#### 2.1.1 Drilling

VPB169 was installed by setting a 10-inch diameter surface casing to 52.5 ft bgs and then setting an 8-inch diameter casing to a depth of 112 ft bgs using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite or equivalent material. Drilling mud was contained and re-circulated in baffled, high capacity mud tubs. A sand separator was used intermittently to remove fines from circulation.

#### 2.1.2 Sampling

A total of nine (9) split spoon samples were collected from ground surface to the bottom of the boring. A change in geology was observed by the field geologist at 839 ft bgs and three (3) split spoon samples were subsequently collected to confirm the presence of the Raritan Clay. Due to the sandy nature of deposits (consisting of sandy silt, silty sand and sandy clay) below the inferred top of the Raritan clay, drilling continued to a depth of 1030 ft bgs and one final split spoon was collected at 998 ft bgs to document subsurface conditions. Samples were logged by the field geologist and screened for Volatile Organic Compounds (VOCs) utilizing a photoionization detector (PID). A detailed boring log for VPB169 is included in Appendix A.

Groundwater grab samples were collected every 50 ft for the first 200 ft of borehole depth. After the first 200 ft, groundwater grab samples were collected approximately every 20 ft until the boring terminated in the Raritan. Groundwater grab samples were collected with a hydropunch sampler and analyzed for VOCs using Environmental Protection Agency (EPA) Method 8260C. The groundwater grab samples were analyzed by Katahdin Analytical Services (Katahdin), a Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP), and New York State Department of Environmental Conservation (NYSDEC)-certified laboratory. During the collection of

groundwater grab samples, field parameters were measured (pH, temperature, specific conductivity, oxidation reduction potential, dissolved oxygen, and turbidity). Data validation was performed by Resolution Consultants. Groundwater grab sample logs, data validation packages, and analytical data tables are included in Appendix A.

One soil sample was collected for laboratory analysis for total organic carbon (TOC) by EPA series SW-846 method 9060A. During drilling, air sampling was conducted under a Community Air Monitoring Plan. One air sample was collected using a Summa canister and submitted for laboratory analysis by EPA Method TO-15. All analyses were performed or sub-contracted by Katahdin. Data validation of both TOC and air data was performed by Resolution Consultants. Data validation packages and analytical data tables are included in Appendix A.

### **2.1.3 Geophysics**

Borehole geophysical logs (gamma) were recorded after the borehole was drilled but prior to the removal of drill rods. A Mount Sopris Instrument model 2PGA-100 poly gamma was used. Starting at the top of the hole, the probe was advanced at a maximum rate of 12 ft per minute. A copy of the log was printed in the field for review once the probe reached the bottom of the borehole. The instrument was then raised to the top of the boring and a second log was generated and printed in the field. The down hole gamma log sheets and plots comparing the gamma log with trichloroethene (TCE) and tetrachloroethene (PCE) concentrations from hydropunch samples are included in Appendix A.

## **2.2 Decontamination and Investigation Derived Waste (IDW)**

Resolution Consultants utilized dedicated and disposable sampling equipment when possible to avoid the potential for cross-contamination of samples. The sampling equipment included dedicated plastic scoops, disposable Teflon or polyethylene tubing, disposable gloves, and laboratory supplied sample bottles. Hand held equipment, split spoons, and the hydropunch were decontaminated using Luminox and water wash, a potable water rinse, followed by a distilled water rinse. Water was collected in 5-gallon pails or 55-gallon drums.

As part of the IDW management practices and in accordance with the SAP, the investigation waste (consisting of soil cuttings, drilling muds, IDW fluids, and personal protective equipment [PPE]) generated during the boring installation was containerized and staged at NWIRP Bethpage. IDW solids were characterized and disposed of properly. Representative samples from each roll off were submitted to Katahdin for analysis of:

- Target Compound List (TCL) VOCs
- TCL Semi-volatile Organic Compounds (SVOCs)
- Toxicity Characteristic Leaching Procedure (TCLP) Metals
- Polychlorinated Biphenyls (PCBs)
- Total petroleum hydrocarbons
- Corrosivity
- Ignitability
- Reactive Cyanide
- Reactive Sulfide
- Paint Filter

IDW water was containerized in frac tanks and stored at NWIRP Bethpage for characterization and ultimate disposal to the Publicly Owned Treatment Works (POTW), in accordance with the facilities existing discharge permit. A representative water sample was collected from each frac tank and submitted to Katahdin for analysis of VOCs via Method SW 624, pH via Method SW 9040B, PCBs via Method 8082 and Total Metals via Method SW 846. To the extent feasible, soil and water were not mixed. All analytical criteria were met for disposal of soil and water.

## 2.3 Surveying

A survey of the boring location was conducted at the end of the fieldwork by C. T. Male, Inc., of Latham, NY, under the direct supervision of Resolution Consultants. The location was tied into the existing base map developed for this investigation. The survey elevation is referenced to the North American Vertical Datum (NAVD) 1988 and has a vertical accuracy of 0.01 foot. Vertical control is based on observations of the Continuously Operating Reference (COR) Stations Queens and Central Islip. The horizontal location is referenced to the North American Datum (NAD) 1983 (2011) N.Y. Long Island Zone 3104 and has an accuracy of 0.1 foot. Local horizontal and vertical control is based on Global Positioning System (GPS) observations using the NYS Net Real Time Network.

A table of survey data (ground, latitude/longitude and northing/easting) and a survey map is included in Appendix A.

### 3.0 REFERENCES

Geraghty and Miller, Inc., 1994. *Remedial Investigation Report, Grumman Aerospace Corporation, Bethpage, New York*. Revised September 1994.

Naval Facilities Engineering Command (NAVFAC), 2003. *Record of Decision Naval Weapons Industrial Reserve Plant Bethpage, New York, Operable Unit 2 – Groundwater*, NYS Registry: 1-30-003B. April.

Resolution Consultants, 2013a. *United Federal Programs Sampling and Analysis Plan, Site 1 OU2 Offsite TCE Groundwater Plume Investigation*, NWIRP, Bethpage, New York. April.

Resolution Consultants, 2013b. *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells*. NWIRP, Bethpage, New York. December.

Smolensky, D., and Feldman, S., 1988. *Geohydrology of the Bethpage-Hicksville-Levittown Area, Long Island, New York*, U.S. Geological Survey Water-Resourced Investigations Report 88-4135, 25 pp.

*Data Summary Report*

*VPB169*

*NWIRP Bethpage, NY*

*January 2018*

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## **Tables**

TABLE 1  
VERTICAL PROFILE BORING SUMMARY  
2017 OU2 GROUNDWATER INVESTIGATION  
NWIRP BETHPAGE, NY

December 2017

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	*SURFACE CASING SET AT (ft bgs)	NO. OF SPOON SAMPLES	GAMMA LOG (ft bgs)	NO. GW SAMPLES COLLECTED/ DUPLICATES/ ATTEMPTED	TOC SAMPLE DEPTH (ft bgs)	DATE OF AIR SAMPLE	MONITORING WELLS INSTALLED AT LOCATION
VPB169	4/28/2017	6/28/2017	83.45	1030	52.5	9	1023.78	38/2/11	603 - 605	6/15/2017	wells planned for future installation

MSL - mean sea level

ft bgs - feet below ground surface

GW - Groundwater

TOC - Total Organic Carbon

\* 8-inch casing installed to 112 feet inside 10-inch casing

*Data Summary Report*

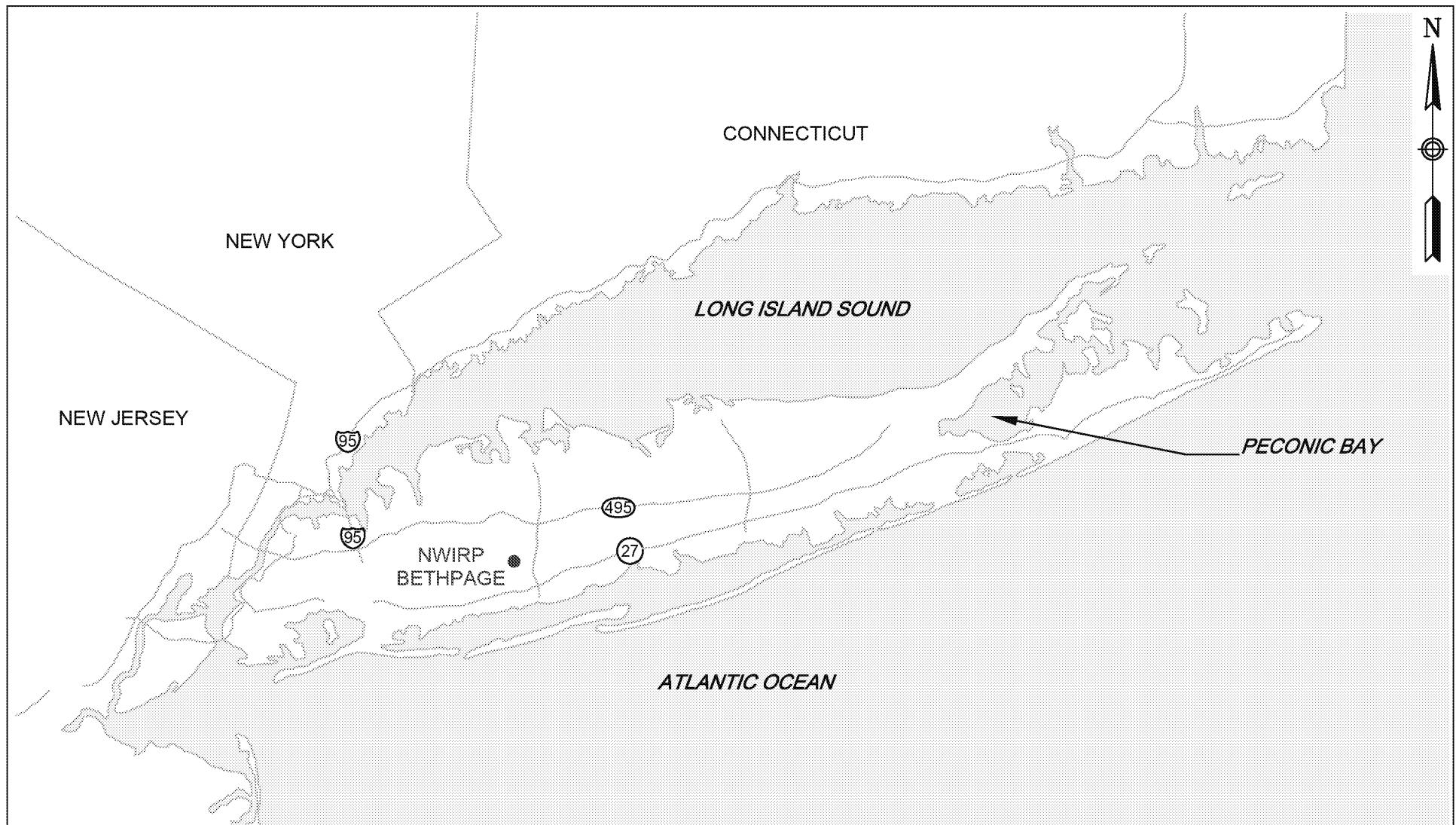
*VPB169*

*NWIRP Bethpage, NY*

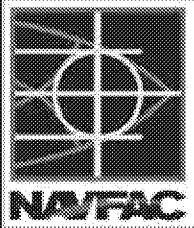
*January 2018*

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## **Figures**

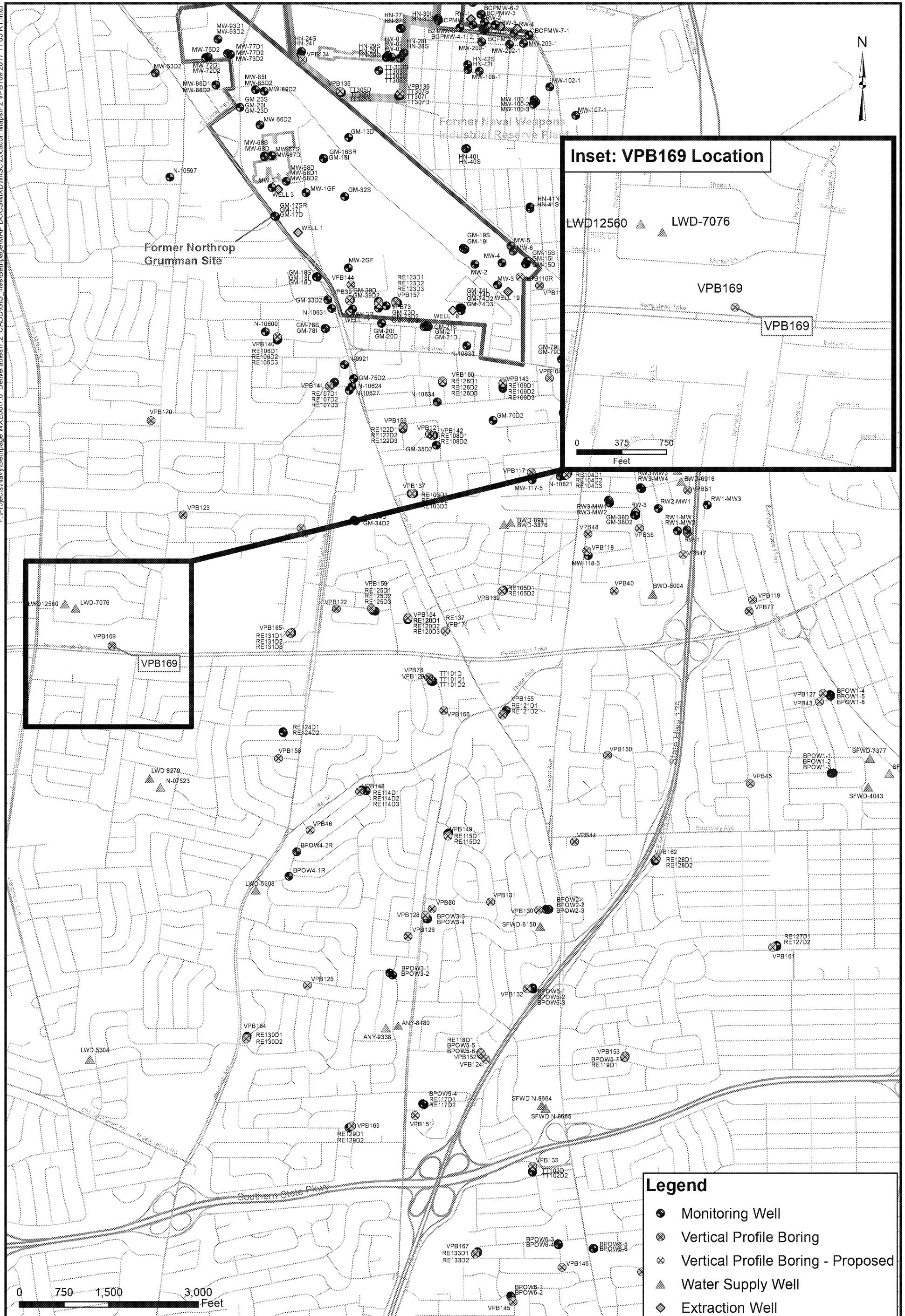


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SCALE IN MILES



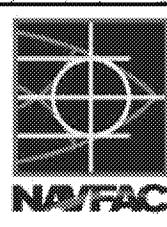
GENERAL LOCATION MAP  
NWIRP BETHPAGE  
BETHPAGE, NEW YORK

CONTRACT NUMBER N62470-11-D-8013	CTO NUMBER WE15
APPROVED BY --	DATE --
APPROVED BY --	DATE --
FIGURE NO. 1	REV 0



VPB169 LOCATION MAP  
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT  
BETHPAGE, NEW YORK

CONTRACT NUMBER	N62470-11-D8013	CTO NUMBER	WE15
APPROVED BY	PS	DATE	11/5/2017
APPROVED BY	_____	DATE	_____
FIGURE NO.	2	REV	0



*Data Summary Report*

*VPB169*

*NWIRP Bethpage, NY*

*January 2018*

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## **Appendix A**

**VPB169**

**Section 1**  
**VPB169 Boring and Gamma Logs**

# Resolution Consultants

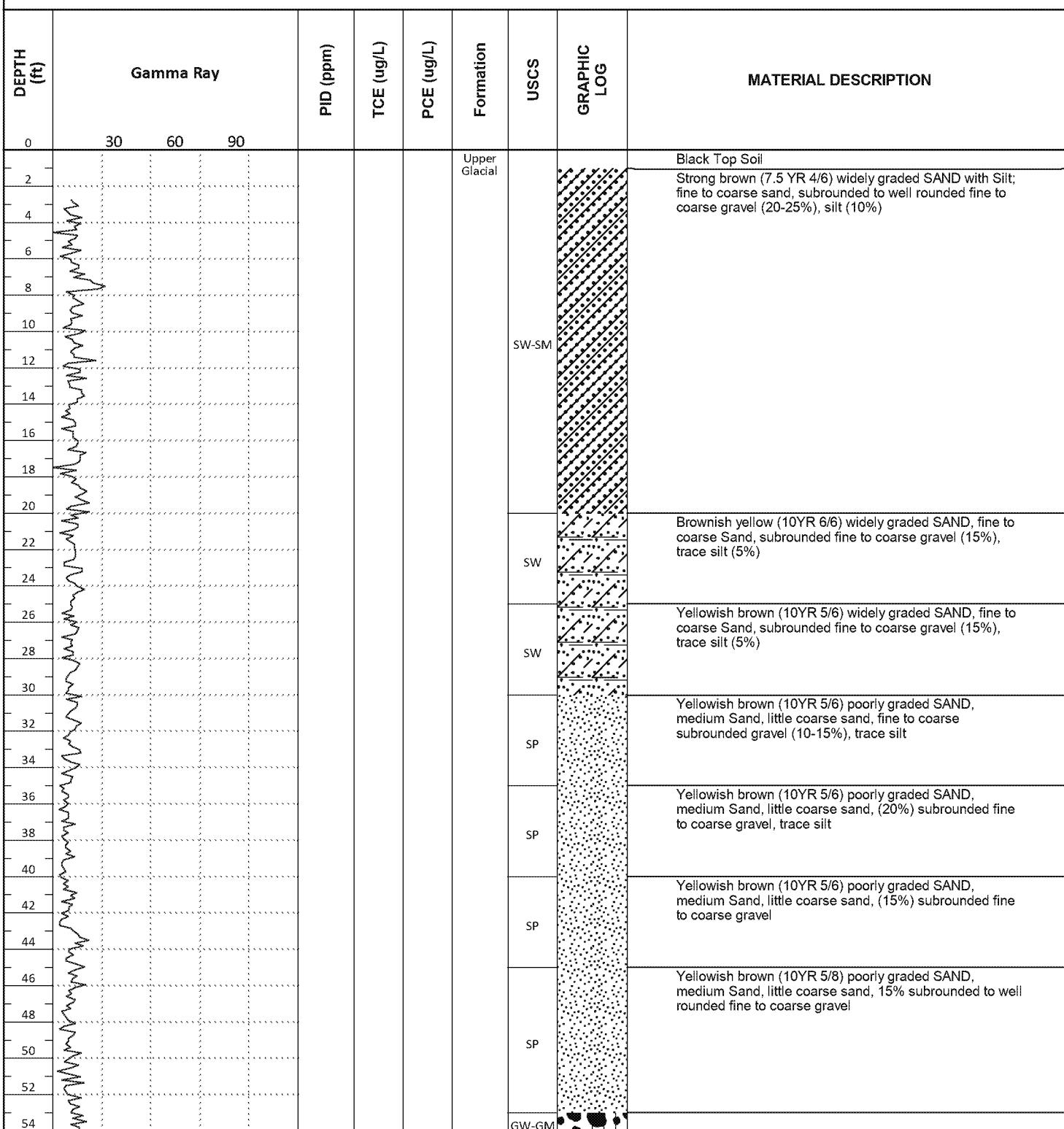
## Boring Log

BORING #: VPB169

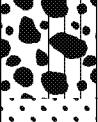
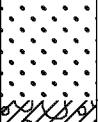
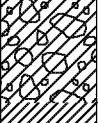
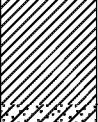
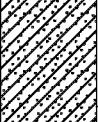
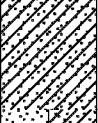
Sheet 1 of 17

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic			Logged By: V. Thayer
Location: 3377 Hempstead Turnpike, Levittown, NY		Northing: 204142.11	Easting: 1120103.49
Project #: 60266526		Ground Elevation (ft amsl): 83.45	
Start Date: 4/28/2017		Drilling Method: Auger (0-50' bgs) Mud Rotary (>50' bgs)	
Finish Date: 6/28/2017		Water Level (ft): NA	
		Total Depth (ft): 1030.0	

Mud Rotary Drilling Note: Unless denoted by a splitspoon sample (indicated by the presence of a PID reading), boundaries between strata are approximate and may be transitional because they are based on screened wash samples collected during mud rotary drilling at 5 ft. intervals.



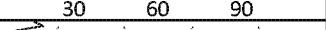
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DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
54	30	60	90							
56							Upper Glacial	GW-GM		Brown (7.5YR 5/2) poorly graded GRAVEL with Silt and Sand, subrounded to angular fine gravel, few coarse gravel, little sand, few silt (continued)
58								SM		Light brown (7.5YR 6/4) SILTY SAND with Gravel, subangular medium sand, little subrounded coarse sand, some (35%) subangular to well rounded gravel, little silt
60				<0.50 U	<0.50 U			GC		Reddish yellow (7.5YR 6/6) widely graded GRAVEL with Clayey Sand; subrounded to subangular, fine to coarse gravel (60%), clayey sand
62								CL		Light yellowish brown (10YR 6/4) and light gray (10YR 7/2) CLAY
64								SC		Light yellowish brown (10YR 6/4) Clayey SAND, fine to medium Sand, few coarse sand with clay (20%)
66								SC		Light yellowish brown (10YR 6/4) and light gray (10YR 7/2) CLAYEY SAND
68										
70										
72										
74										
76										
78										
80										
82										
84										
86										
88										
90										
92										
94										
96										
98										
100				<0.50 U	<0.50 U					
102										
104										
106										
108										
110										
112										
114										

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
116								
118								Light yellowish brown (10YR 6/4) and light gray (10YR 7/2) CLAYEY SAND, subangular fine to medium Sand, 30% fines (continued)
120								
122								
124								Light brownish gray (10YR 6/2) poorly graded SAND with CLAY, subangular medium Sand interbedded with gray clay lenses
126								
128								
130								
132								
134								Light brownish gray (10YR 6/2) CLAYEY SAND, subangular medium Sand, little fine sand and clay (20%)
136								
138								
140								Light brownish gray (10YR 6/2) poorly graded SAND with gray CLAY; fine to medium Sand, interbedded thin beds of clay/silt
142								
144								
146								
148								
150		<0.5 U	<0.5 U					
152								
154								Reddish yellow (7.5YR 7/6) poorly graded SAND with gray CLAY; medium Sand, thin strips of gray clay, numerous iron nodules, lignite
156								
158								Light yellowish brown (10YR 6/4) CLAYEY SAND
160								
162								
164								Brownish yellow (10YR 6/6) CLAYEY SAND, medium Sand, little fine sand, numerous iron nodules, clay (20-25%)
166								
168								
170								Brownish yellow (10YR 6/6) poorly graded SAND with CLAY, fine to medium Sand, few iron nodules, interbedded clay stringers
172								
174								Yellowish brown (10YR 5/8) poorly graded SAND with CLAY, medium Sand, interbedded with thin gray clay lenses and lignite, iron nodules
176								

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
178					Magothy			Pale brown (10YR 6/3) poorly graded SAND, subangular medium Sand, little fine sand
180						SP		
182								
184								
186								
188								
190								
192								
194								
196								
198								
200								
202								
204								
206								
208								
210								
212								
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216								
218								
220								
222								
224								
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230								
232								
234								
236								
238								

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
240					Magothy	SP-SC		Light brownish gray (10YR 6/2) SAND with CLAY, subangular fine to medium Sand (continued)
242						CL-SP		Multicolored black (2.5Y/1) and gray CLAY interbedded with stringers of yellow (10YR 7/6) fine Sand
244		<0.5 U	<0.5 U			CL		Light gray (7.5YR 7/1) CLAY
246						SP-SC		Light brownish Gray (10YR 6/2) poorly graded SAND with CLAY, sand interbedded with Clay stringers
248						SP-SC		Light brownish gray (10YR 6/2) poorly graded SAND with CLAY, medium Sand and a few interbedded clay stringers
250						CL		Very pale brown (10YR 8/2) and gray (10YR 5/1) SANDY CLAY, multicolored streaks
252						SP-SC		Light brownish gray (10YR 6/2) poorly graded SAND with CLAY, medium sand, interbedded with light gray (10YR 7/1) clay stringers
254						SP-SC		Light yellowish brown (10YR 6/4) poorly graded SAND with CLAY, medium Sand interbedded with a few clay stringers
256						SP-SC		Light brownish gray (1-YR 6/2) poorly graded SAND with CLAY, subangular medium Sand, little fine sand, 10% fines, interbedded with several thin gray clay layers; iron nodules
258						SC		Light brownish gray (10YR 6/2) and light gray (10YR 7/2) CLAYEY SAND
260		<0.50 U	<0.50 U		SC	SC		Light brownish gray (10YR 6/2) CLAYEY SAND; fine Sand interbedded with lignite and clay (30% fines)
262						CL		Light brownish gray (10YR 6/2) CLAY
264						SM		Light gray (7.5YR 7/1) SILTY SAND, micaceous fine Sand, little silt (30%) and black lignite laminae
266								
268								
270								
272								
274								
276								
278								
280								
282								
284		0.88 J	<0.50 U					
286								
288								
290								
292								
294								
296								
298								
300		<2.0 UJ	<2.0 UJ					

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION	
	30	60	90								
302							Magothy	SM		Light gray (7.5YR 7/1) SILTY SAND, micaceous fine Sand, little silt (30%) and black lignite laminae <i>(continued)</i>	
304										Dark gray (GLEY 1 3/1) SILTY SAND, micaceous fine Sand, 30% silt, lignite laminae	
306								SM			
308											
310								CH-SM		Black LIGNITE interbedded with some gray micaceous Silty sand, fine sand (40%)	
312											
314				<0.50 U	<0.50 U	<0.50 U		SP-SM		Light gray (7.5YR 7/1) poorly graded SAND with SILT, micaceous fine Sand with Silt (10%) interbedded with lignite laminae	
316											
318								SP		Light brownish gray (10YR 6/2) poorly graded SAND; fine-medium Sand	
320											
322								SC		Grayish brown (2.5Y 5/2) CLAYEY SAND, micaceous fine Sand, little medium sand, 30% fines	
324											
326								SC		Dark gray (10YR 4/1) CLAYEY SAND, micaceous fine Sand, little medium sand, 30% fines, iron concretions, lignite	
328											
330								SP-SM		Dark grayish brown (10YR 4/2) CLAYEY SAND, subangular micaceous fine to medium Sand, 20% fines (clay), lignite flakes	
332											
334								SP-SC		Very dark gray (10YR 3/1) poorly graded SAND with SILT, micaceous fine sand, 10-15% fines	
336											
338											
340				<0.50 UJ	<0.50 UJ	<0.50 UJ			Dark grayish brown (10YR 4/2) poorly graded SAND with CLAY, micaceous fine to medium Sand, few clay (10%)		
342											
344											
346											
348											
350											
352											
354											
356											
358				<0.50 U	<0.50 U	<0.50 U			Dark grayish brown (10YR 4/2) poorly graded SAND with CLAY, micaceous fine to medium Sand, few clay (10%)		
360											
362											

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
	30	60	90							
364							Magothy	SP-SC		Light brownish gray (10YR 6/2) poorly graded SAND with CLAY, several iron concretions, lignite flakes
366								SP-SC		
368								SC		Grayish brown (10YR 5/2) poorly graded SAND with CLAY, fine to medium Sand interbedded with thin clay layers
370								SP-SC		
372								SC		Gray (10YR 5/1) CLAYEY SAND, interbedded thin layers of fine to medium Sand, clay and lignite
374								SP-SC		
376								SC		Dark grayish brown (10YR 4/2) poorly graded SAND with CLAY; fine to medium Sand, one thin gray clay layer
378								SP-SC		
380								SP-CL		Dark grayish brown (10YR 4/1) poorly graded SAND interbedded with multiple gray Clay layers
382								SP-SC		
384				<0.50 U	<0.50 U			SP-CL		Dark grayish brown (10YR 4/1) poorly graded SAND with CLAY; micaceous subangular medium Sand, little fine sand
386								SP-SC		
388								SC		Grayish brown (10YR 5/2) CLAYEY SAND; subangular fine to medium Sand, 25% clay, two iron concretions
390								SP		Light brownish gray (10YR 6/2) poorly graded SAND, subangular fine to medium Sand, trace fines (5-10%)
392								SP-SC		
394								SP-SC		Gray (7.5YR 5/1) poorly graded SAND; subangular medium Sand, few fine sand, 10% fines, interbedded gray clay stringers (407-408')
396								SP-CL		
398								SP-SC		
400				<0.50 U	<0.50 U			SC		Gray (7.5YR 5/1) poorly graded SAND with CLAY. Subangular fine to medium Sand, interbedded gray clay layers, laminae
402								SP		
404								SP-SC		
406								SP-CL		
408								SP-SC		
410								SP		
412								SP-SC		
414								SP-CL		
416								SP-SC		
418								SP-CL		
420								SP-SM		
422										
424				0						

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30	60	90							
426							Magothy	SP-SM		Light gray (10YR 7/2) poorly graded SAND with SILT; subangular fine to medium Sand, 10% fines (silt), lignite laminae (continued)
428								SP-SM		Grayish brown (10YR 5/2) poorly graded SAND with SILT; subangular fine to medium Sand (10% fines), trace coarse sand
430								SC		Grayish brown (10YR 5/2) poorly graded SAND with SILT, subangular fine to medium Sand (10% fines), lignite
432										Grayish brown (10YR 5/2) CLAYEY SAND, subangular fine to medium Sand, few subrounded coarse sand; 25% fines
434								SP-SC		Grayish brown (10YR 5/2) poorly graded SAND with CLAY; subangular medium Sand, little fine sand, interbedded clay stringers, iron concretions
436								CL		CLAY
438								CL		SANDY CLAY
440										Poorly graded SAND; fine to medium sand interbedded with thin clay stringers
442										Light brownish gray (10YR 6/2) poorly graded SAND, subangular medium Sand, few coarse sand, trace clay
444								SP		Light brownish gray (10YR 6/2) poorly graded SAND with CLAY; subangular medium to coarse Sand, little fine sand, trace subrounded gravel; 10-15% fines; interbedded clay stringers
446								SP-SC		Light brownish gray (10YR 6/2) poorly graded SAND with CLAY; subangular medium to coarse sand, interbedded gray clay layers, lignite
448								SP		Brownish gray (10YR 6/5) medium to fine SAND, some Silt, clay nodules
450										Light brown (10YR 5/3) Light brown medium to fine SAND, some clay nodule
452										
454										
456										
458										
460										
462										
464				<0.50 U	<0.50 U					
466										
468										
470										
472										
474										
476										
478										
480				<0.5 U	<0.5 U					
482										
484										
486										

(Continued Next Page)

DEPTH (ft)	Gamma Ray		PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
486	30	60	90						
488						Magothy	SP		Gray (10YR 4/1) SANDY CLAY, low plasticity
490							CL		
492							CL		
494							SM		Dark gray (10YR 3/2) SILTY CLAY, medium plasticity, white clay nodules
496							SC		
498							SW-CL		
500							SW-CL		Gray (10YR 5/1) Silty medium to fine SAND, occasional clay nodules
502							SP		
504				<0.5 U	<0.5 U		SP-SC		
506							SP		CLAYEY SAND, subangular fine to medium Sand, trace coarse sand; 30% clay
508							SP		
510							SP		Brownish grey, widely graded SAND; subangular to angular fine to coarse Sand interbedded with several thin gray clay stringer ( gray clay clumps in wash )
512							SP		
514							SP		Brownish grey, widely graded SAND; subangular fine to coarse Sand, trace small gravel; lignite, several thin clay stringers (gray clumps in the wash)
516							SP		
518				<1 U	<1 U		SP		Brownish grey, poorly graded SAND, subangular medium Sand, little fine sand, few coarse sand, several iron concretions
520							SP-SC		
522							SP		Brownish grey, poorly graded SAND, subangular medium Sand, few fine sand, few coarse sand, 1 fine gravel; a few clumps of gray clay indicative of interbedded thin clay stringers
524							SP		
526							SP		Brownish grey, poorly graded SAND; subangular medium Sand, few subangular coarse sand, a few clumps of gray clay indicative of interbedded thin clay stringers (laminae)
528							SP		
530							SP		
532							SP		
534							SP		
536							SP		
538							SP		Brownish grey, poorly graded SAND; subangular medium to coarse Sand, few fine sand, minor thin interbedded clay stringers (laminae)
540							CL		Gray CLAY
542							SP-SC		
544							SP-SC		Poorly graded SAND with CLAY; interbedded Clay lenses in sand
546									

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
548					Magothy			No Recovery
550								
552								
554								
556								
558			<0.5 U	<0.5 U				CLAYEY SAND, subangular medium Sand, little coarse sand, 30% fines
560					SC			
562					CL			CLAY
564					SP			Poorly graded SAND, subangular medium Sand, little fine sand
566					SC			
568					CL			Light brownish gray (10YR 6/2) CLAYEY SAND; fine to medium Sand, 25% fines
570					CL			Gray (10YR 5/1) CLAY
572					CL			Gray (10YR 5/1)
574			0		CL			
576					CL			
578					CL			
580		0			CL			
582					CL			
584					CL			
586					CL			
588					CL			
590					CL			Light brownish gray (10YR 6/2) SANDY CLAY, interbedded lignite laminal, gray clay laminal, 60% clay
592					CL			Light brownish gray (10YR 6/2) poorly graded SAND, subangular medium Sand, little fine sand
594			<1.0 UJ	<1.0 UJ	SP			
596					SP			
598					SW-SC			
600			<0.50 U	<0.50 U	SW-SC			Very pale brown (10YR 7/3) widely graded SAND with CLAY; subangular medium Sand, some subangular coarse sand, little fine sand, few surrounded fine gravel
602					SW-SC			Gray (10YR 5/1) widely graded SAND, subangular medium to coarse Sand, little fine sand, trace fine gravel, 15% fines
604		0			SW			
606								
608								

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
610	30	60	90				Magothy	SW		Light brownish gray (10YR 6/2) widely graded SAND, subangular medium to coarse Sand, little subrounded to subangular fine gravel (continued)
612								SW		Gray (10YR 5/1) widely graded SAND, subangular medium to coarse Sand, little fines. Little subrounded to subangular fine gravel, trace fines
614										No Recovery
616										
618										
620										
622										
624										
626										
628										
630										
632										
634										
636										
638										
640										
642										
644				<0.50 UJ	<0.50 UJ					
646										
648										
650										
652										
654										
656										
658										
660				<0.50 UJ	<0.50 UJ					
662										
664										
666										
668										
670										

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION		
								30	60	90
672					Magothy					
674							GC			
676							SW-SC			
678							SW-SC			
680							SP			
682							GP-GC			
684							SW-SC			
686							SW-SC			
688							CL			
690							SC			
692							SC			
694							SC			
696							ML-CL			
698							CL			
700							SM-CL			
702							CL			
704										
706										
708										
710										
712										
714										
716										
718										
720										
722										
724										
726										
728										
730										
732										

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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
734					Magothy	SM		Gray (10YR 5/1) SILTY SAND; fine Sand, trace medium sand, chalcopyrite, silt (40%)
736					ML-CL			Gray (10YR 5/1) SANDY SILT; fine Sand interbedded with clay stringers, lignite stringers, trace coarse sand
738					CL			Gray (10YR 5/1) CLAY
740					SM			Gray (10YR 5/1) SILTY SAND, 40% Silt/Clay; fine grained sand, trace coarse sand, lignite
742		<2.5 UJ	<2.5 UJ		CL			Gray (5Y 5/1) CLAY; Clay with lignite
744					CL			Gray (5Y 5/1) CLAY; Clay with lignite
746					ML			Gray (5Y 5/1) CLAY; Clay with lignite
748					CL			Gray (5Y 5/1) CLAY; Clay with lignite
750		0			CL			Gray (5Y 5/1) CLAY; Clay with lignite
752					ML			Gray (5Y 5/1) CLAY; Clay with lignite
754					CL			Gray (5Y 5/1) CLAY; Clay with lignite
756					CL			Gray (5Y 5/1) CLAY; Clay with lignite
758					ML			Gray (5Y 5/1) CLAY; Clay with lignite
760					CL			Gray (5Y 5/1) CLAY; Clay with lignite
762					CL			Gray (5Y 5/1) SANDY SILT, fine Sand
764					CL			Gray (5Y 5/1) CLAY with LIGNITE
766					CL			Gray (10YR 5/1) lean CLAY
768					CL			Gray (10YR 5/1) lean CLAY with SAND, 10-15% fine to coarse Sand
770					CL			Dark gray (2.5Y/1) lean CLAY
772					CL			Gray SILTY SAND, fine Sand
774					CL			Gray (5Y 5/1) CLAY; Clay with lignite
776					SP-SM			Grayish brown (10YR 5/2) poorly graded SAND with SILT, fine Sand
778					ML			Gray 2.5Y 6/1) SANDY SILT; Clay, 30% fine sand
780					ML			
782								
784								
786								
788								
790		<0.50 U	<0.50 U					
792								
794								

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG		MATERIAL DESCRIPTION
796	30	60	90				Magothy	ML			Gray (10YR 5/1) SANDY SILT; fine Sand, silt (60%), trace coarse sand (continued)
798											
800				<5.0 U	<5.0 U						Gray (10YR 5/1) widely graded SAND with SILT, subangular fine to coarse Sand, silt (10%)
802											
804											
806											
808											
810											Gray (10YR 6/1) SILTY SAND, subangular fine to coarse Sand, 15 to 20% silt (fines)
812											
814											Dark gray (10YR 4/1) SILTY SAND, subangular fine to medium Sand, silt (fines) (30%); lignite, a few interbedded clay stringers
816											
818											
820											Grayish brown (10YR 5/1) SLITY SAND, fine Sand, little medium sand, silt (fines)(40%)
822											Gray (10YR 6/1) SILTY SAND, subangular fine Sand, little medium sand, silt (25%)
824				<1.0 U	<1.0 U						
826											
828											
830											Gray (10YR 6/1) poorly graded SAND with SILT, angular medium Sand, little fine sand, few silt (10%); lignite flakes
832											
834											Gray (10YR 6/1) SANDY SILT; angular fine to medium Sand, 60% fines (silt)
836											
838											
840				<5.0 U	<5.0 U		Raritan	ML			Gray (2.5Y 6/1) SANDY SILT; 30% fine Sand, little medium sand, lignite flakes, chalcopyrite
842								CL			Gray (10YR 5/1) lean CLAY
844											
846								ML			Gray (10YR 5/1) SANDY SILT
848											
850								CL			Gray (10YR 5/1) SANDY lean CLAY; fine Sand, (30%) little medium sand, chalcopyrite
852											
854								ML			Gray (10YR 5/1) SANDY SILT
856											

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG		MATERIAL DESCRIPTION
							30	60	
858					Raritan	ML			Gray (10YR 5/1) SANDY SILT (continued)
860									
862									
864		0							Gray (10YR 5/1) SANDY SILT; fine SAND (40%), laminated (crumbles with little pressure after dried)
866									
868									
870									
872									
874									
876									
878		0							
880									
882									
884									
886									
888		0							
890									
892									
894									
896									
898									
900		<10 U	<10 U						Gray (10YR 5/1) poorly graded SAND; subangular medium Sand, less than 10% silt
902									
904									
906									
908									
910									Gray brown (10YR 5/2) poorly graded SAND with SILT, subangular medium Sand, silt 10%
912									
914									
916									Gray (10YR 5/1) CLAY
918									

(Continued Next Page)

DEPTH (ft)	Gamma Ray		PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
918	30	60	90						
920				<10 U	<10 U	Raritan	SM		Gray (10YR 5/1) SILTY SAND, subangular medium Sand, 20% silt
922							SM-CL	██████████	Gray (10YR 5/1) SILTY SAND interbedded Clay lens at 920', fine sand, silt (40-50%)
924							ML		Gray (10YR 5/1) SANDY SILT, fine Sand, (30%)
926							SM		Gray (10YR 5/1) SILTY SAND, fine to medium Sand, few coarse sand, silt (40-50%)
928							CL	██████████	Gray CLAY
930							SM	██████████	Gray (10YR 7/1) SILTY SAND with interbedded lignite
932							SM	██████████	Gray (7.5YR 5/1) SILTY SAND, subangular fine to medium Sand, trace coarse sand, 40% silt
934							SM	██████████	Light gray (10YR 7/1) SILTY SAND, fine Sand, 30% silt
936							SW-SC	██████████	Gray (7.5YR 5/1) widely graded SAND with CLAY, subangular fine to coarse Sand, few subrounded fine gravel, silt or clay (10%)
938				<10 U	<10 U		SP-SC	██████████	Gray (7.5YR 5/1) well graded SAND with CLAY; subangular fine to coarse Sand, few fine gravel, few fines
940							SP-SC	██████████	Gray (7.5YR 6/1) poorly graded SAND, subangular medium Sand, few fine sand, few coarse sand, few silt or clay (10%)
942							SP	██████████	Gray (7.5YR 5/1) poorly graded SAND, subangular medium Sand, few coarse sand
944							GC	██████████	Clayey poorly graded GRAVEL; subrounded fine gravel, pea size trace coarse gravel, little fine to coarse sand, 15-20% clay
946							GP-GC	██████████	Light gray (7.5YR 7/1) poorly graded GRAVEL with CLAY, subrounded fine gravel, few coarse gravel, little medium to coarse sand, fines (10%)
958							SM	██████████	Gray (7.5YR 6/1) SILTY SAND, subangular fine to coarse Sand, 30 to 40% silt
960									
962									
964									
966									
968									
970									
972									
974									
976									
978									

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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
980					Raritan			
982						SM		Gray (7.5YR 6/1) SILTY SAND, subangular fine to coarse Sand, 30 to 40% silt (continued)
984						SM		Gray (2.5Y 6/1) SILTY SAND, subangular fine to medium Sand, 30% fines (silt)
986						SM		
988						SM-CL		Gray (2.5Y 6/1) SILTY SAND interbedded with Clay
990						CL		
992						SM		
994						SM		
996						SM		
998		0				CL		Gray (7.5YR 5/1) CLAY
1000						SM		Gray (7.5YR 5/1) SILTY SAND
1002						SM		Gray (7.5YR 5/1) SILTY SAND, subangular to angular fine to coarse Sand, trace fine gravel, silt (20%)
1004						SM		
1006						SM		
1008						SM		
1010			<2.5 U	<2.5 U		SW-SM		
1012						SW-SM		
1014						GP-GM		Light gray (7.5YR 7/1) widely graded SAND with SILT; subrounded to subangular fine to coarse Sand, 10-15% fines (silt)
1016						GP-GM		
1018						GP-GM		
1020						GP-GM		
1022						GP-GM		
1024						GP-GM		
1026						GP-GM		
1028						GP-GM		
1030			<2.5 U	<2.5 U		GP-GM		

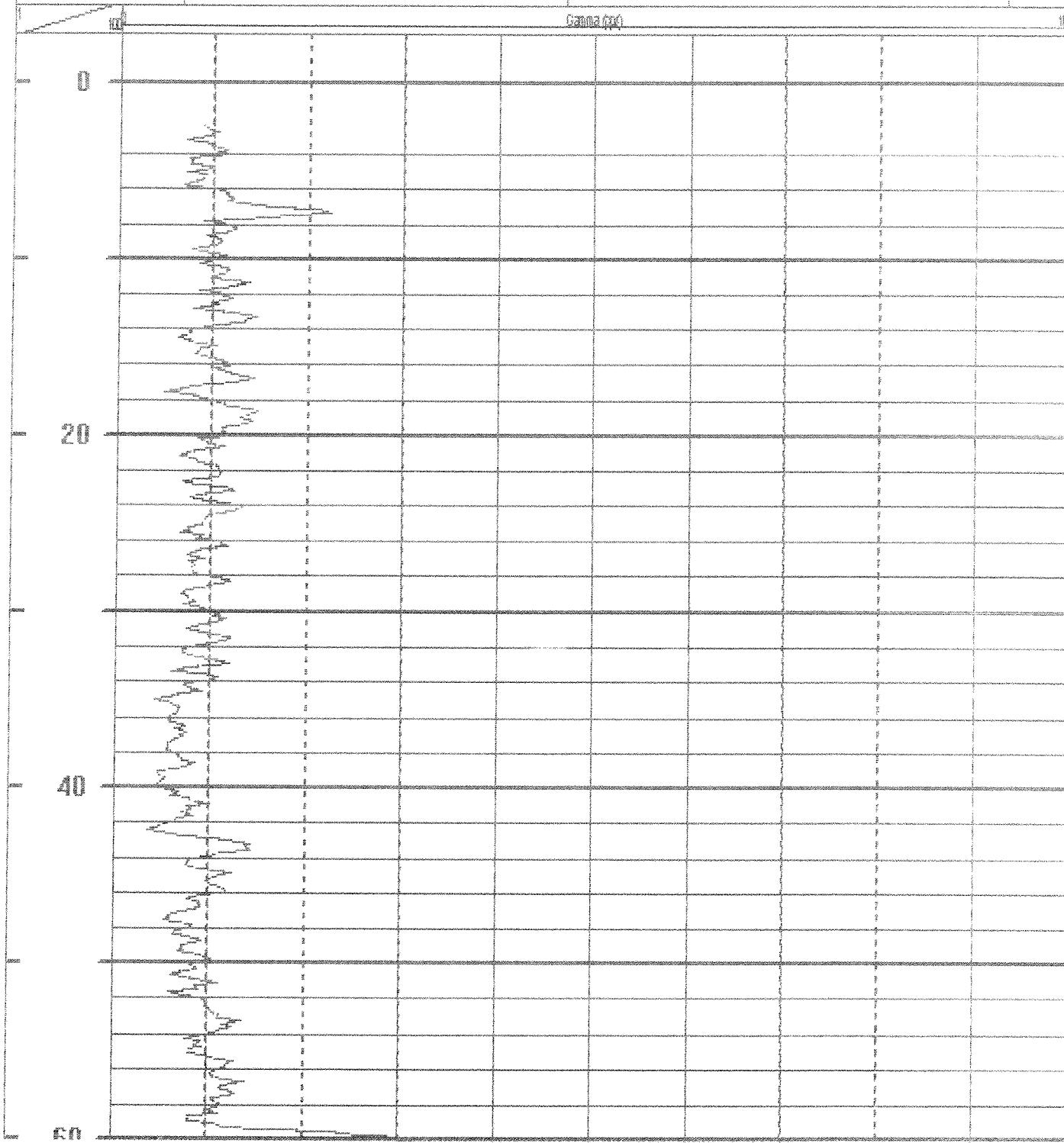
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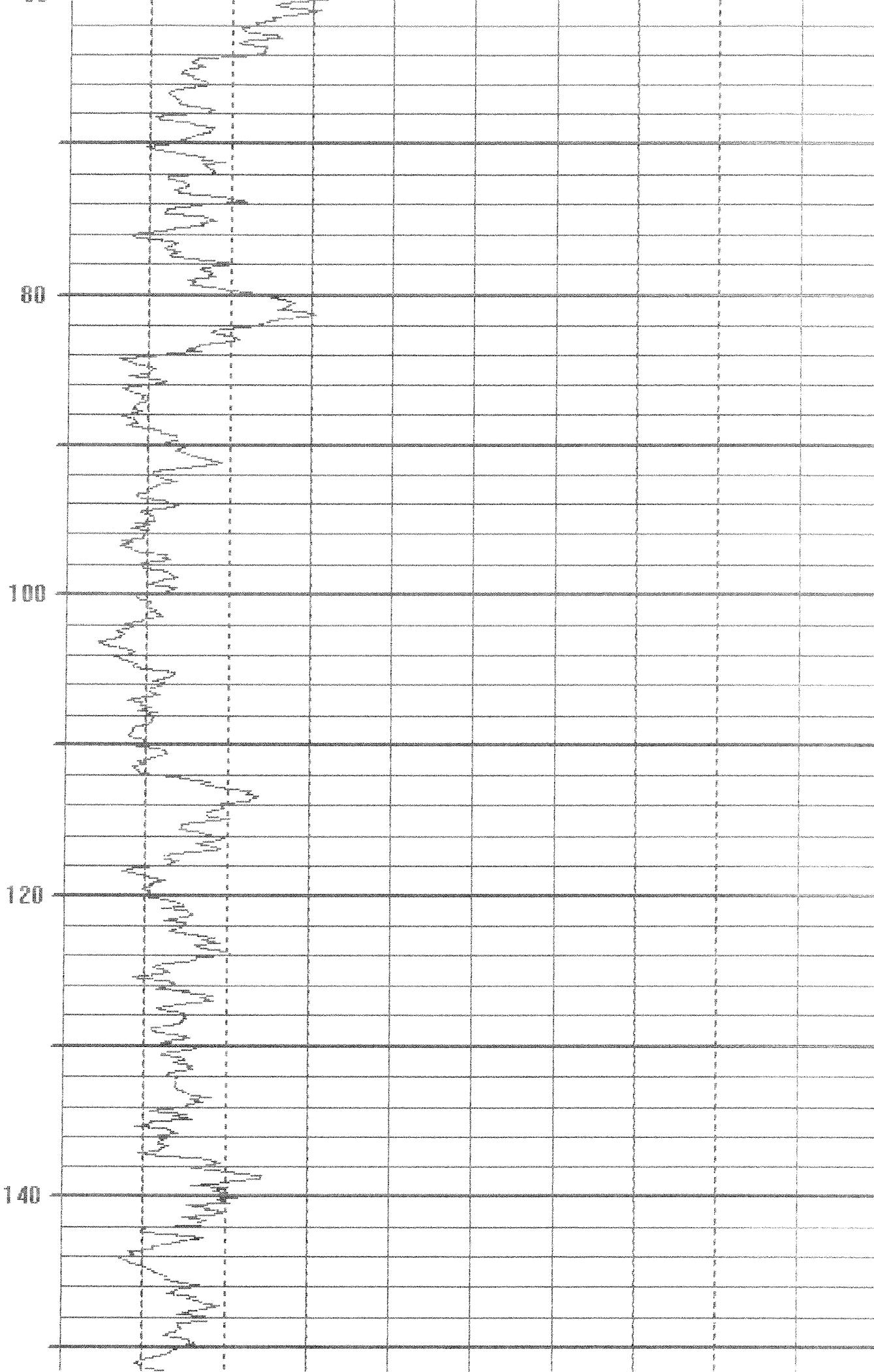
COMPANY: DELTA WELL & PUMP CO., INC.

Location: NWMP RTE 24 RCB 27

Geologic

Well	VPB-169	Depth Driller
		Depth Logger
Date	06/28/17	BH Fluid
File Name	739	Logged by: CMC Witness: VAL





ED\_002631A\_00011364-00039

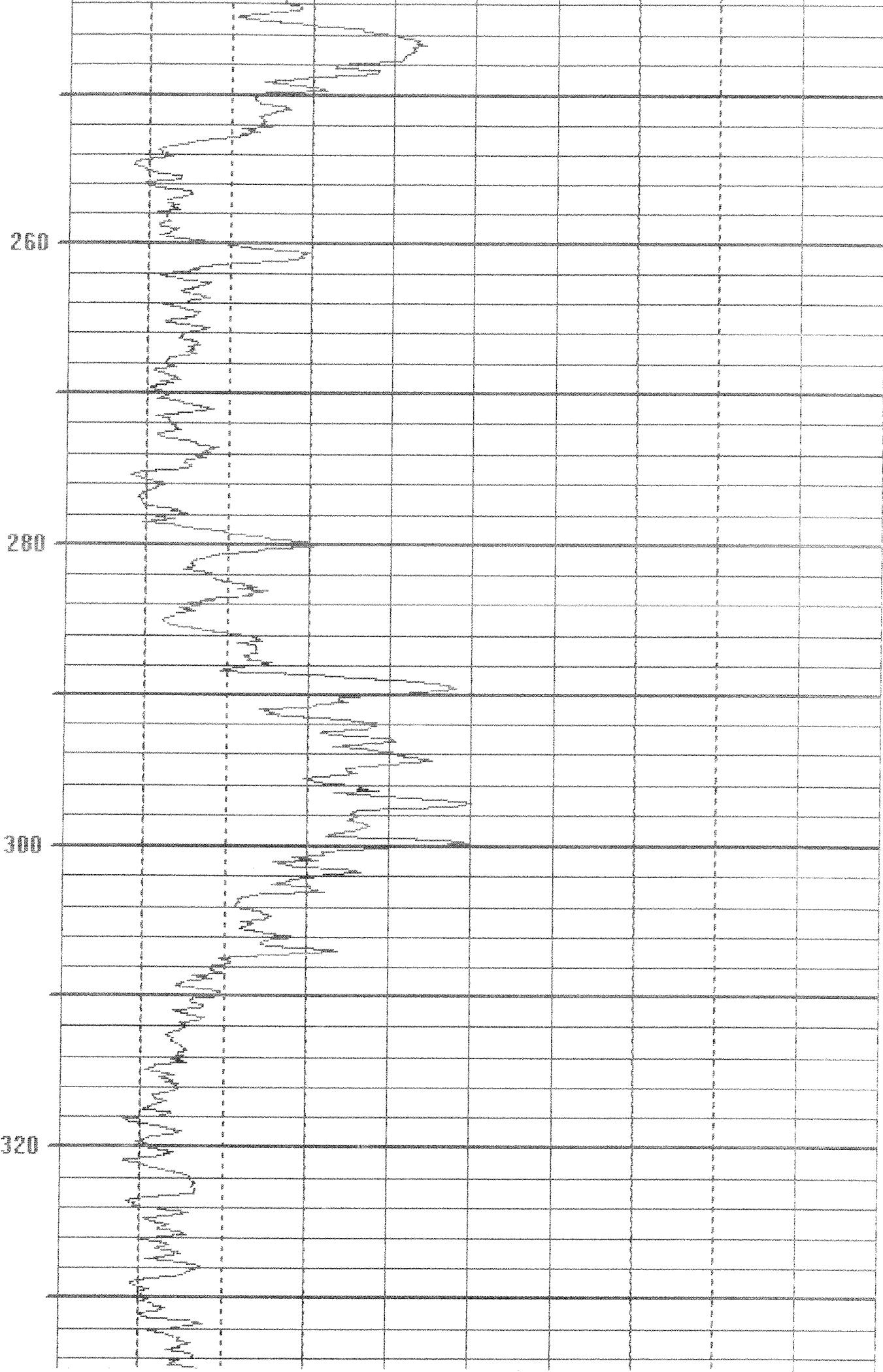
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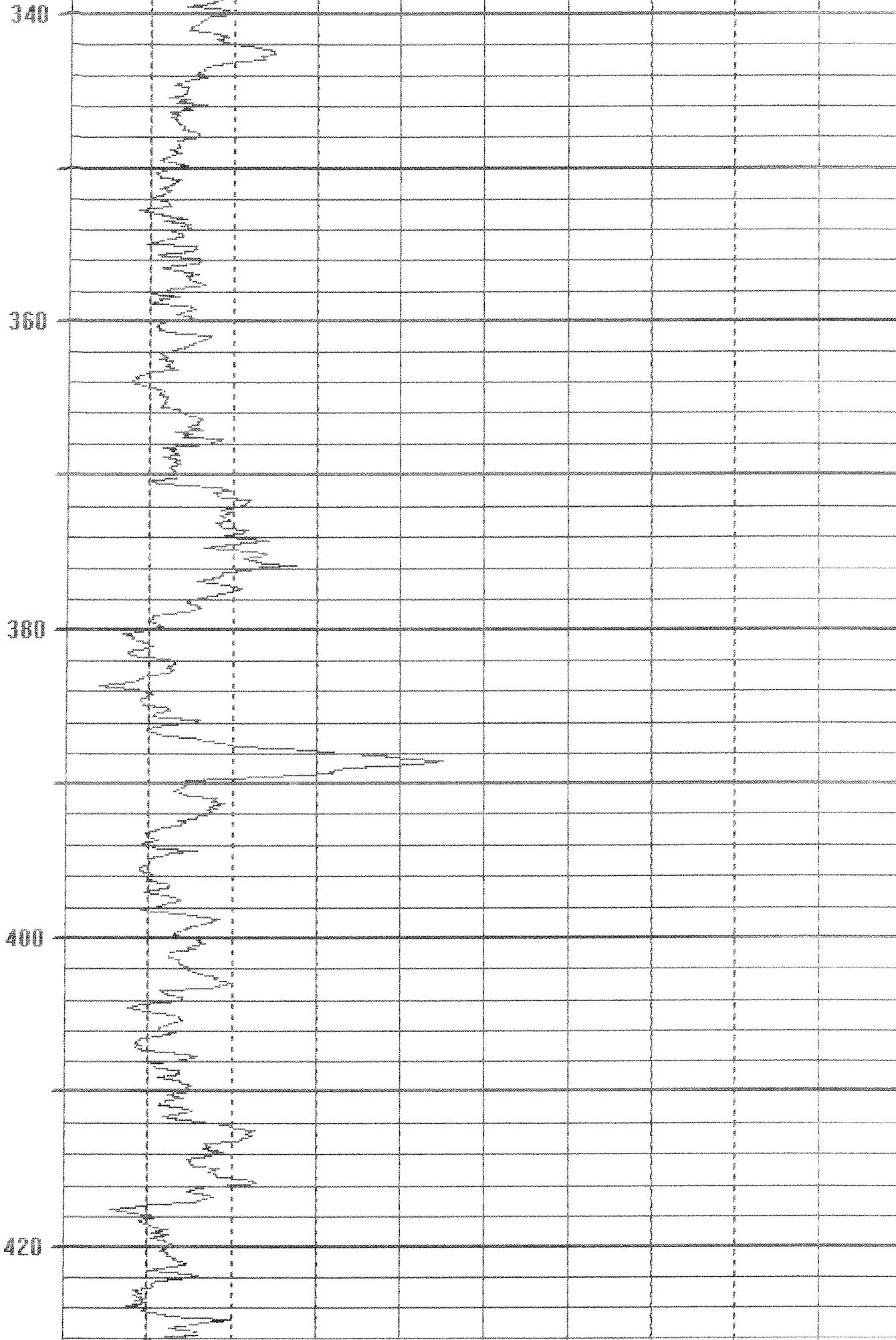
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200

220

240



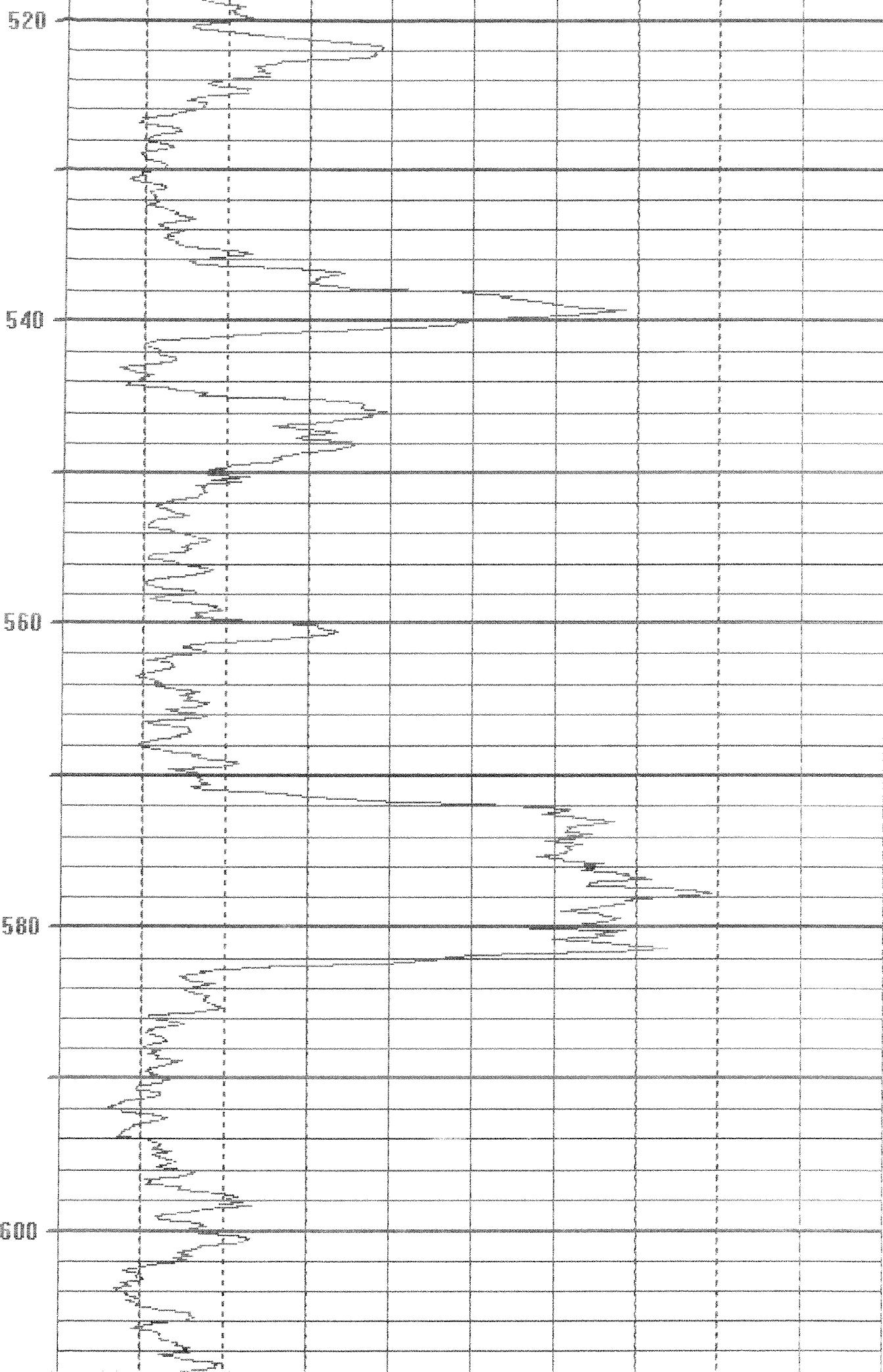


440

460

480

500



620

640

660

680

700

720

740

760

780

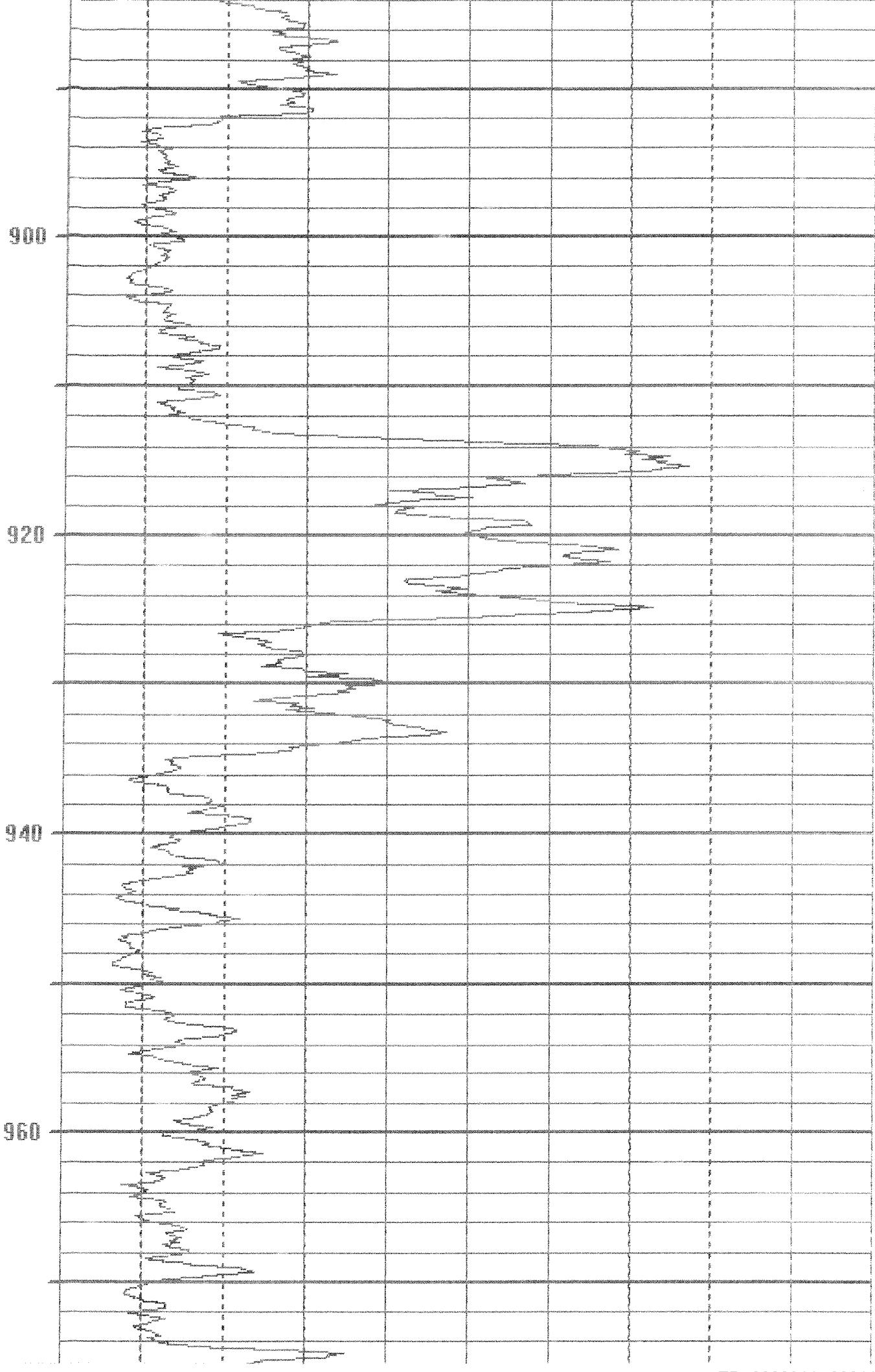
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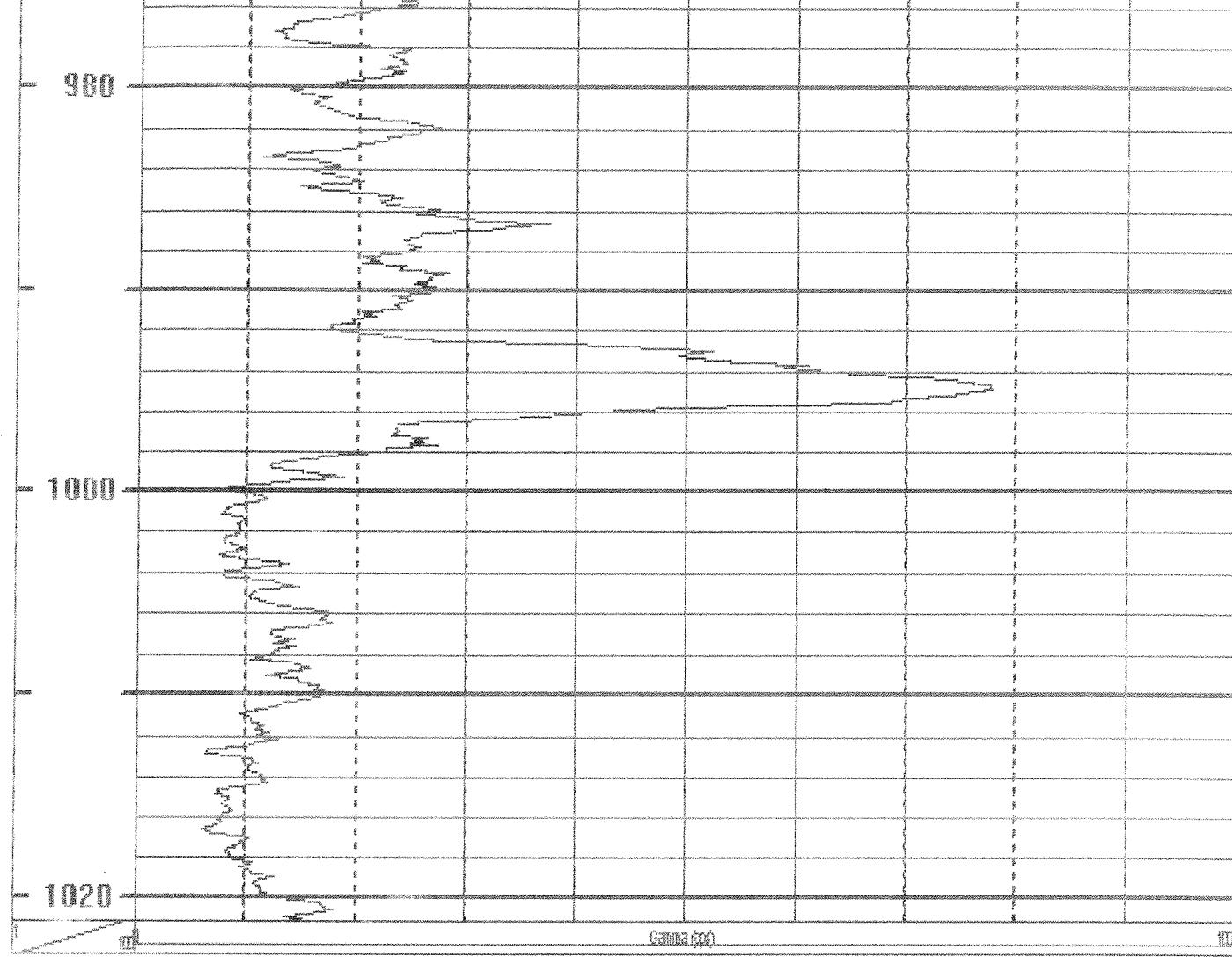
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840

860

880

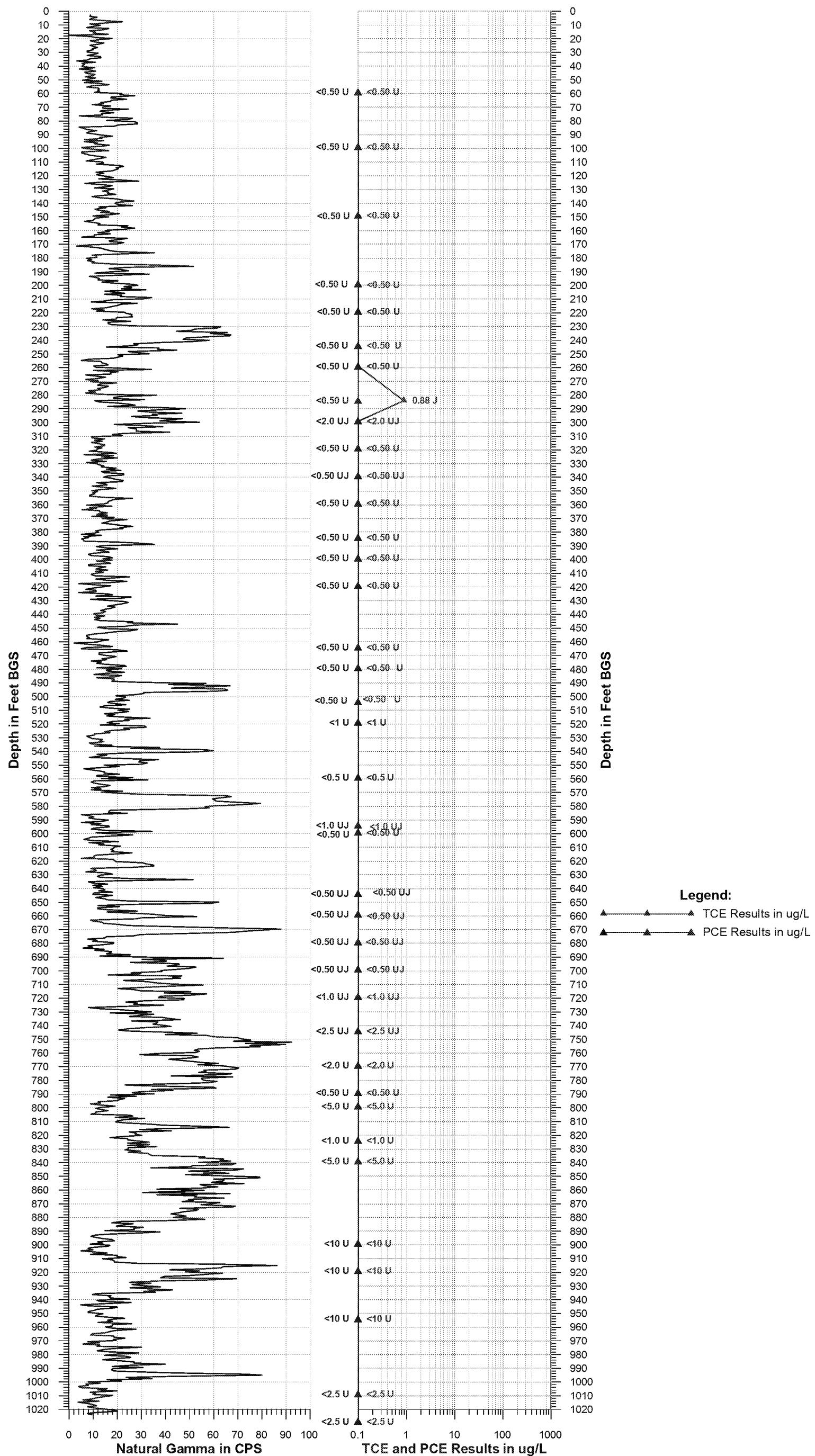




Date: Wednesday, June 2, 2010 Time: 10:00:00 File: C:\Users\jason\Documents\My Documents\GammaWIFI103.d

**Section 2**  
**VPB169 Gamma and PCE/TCE Plot**

**Vertical Profile Boring VPB-169**  
**Downward Run - June 28, 2017**  
**Validated Analytical Data**



**Section 3**  
**VPB169 Groundwater Sample Log Sheets**



Page 1 of 3

## Hydropunch Sample

Client: NWIRP - Bethpage  
Project No: 60266526  
Site Location: VOB 169 (sump)  
Weather Conds: variable

Date: May 12, 2017  
VPB: 169  
Collector(s): V. Thayer

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
May 12, 2017	10:15	18.9	7.22	525.3	3.31	-17.3	132.7	38	60	pale brown
May 12, 2017	13:30	17.9	6.77	439	5.03	-7.1	436.9	98	100	pale brown
May 16, 2017	10:45	23.2	6.42	465.7	2.86	45	36.2	148	150	pale brown
May 16, 2017	13:30	21.4	6.98	510.5	4.74	48.4	off scale	198	200	clear to orange
May 17, 2017	10:30	20.8	6.7	325.5	3.46	10.5	514.3	218	220	clear
May 17, 2017	14:00	22.3	6.9	369.8	7.44	71.3	195.8	243	245	pale brown
May 18, 2017	10:30	23.8	6.3	276.4	4.14	28.9	412	258	260	
May 18, 2017	12:15	←	no recovery		—	→	278	280		
May 18, 2017	15:15	25	5.69	273.2	3.81	-52	395.3	283	285	clear to pale brown
May 19, 2017	10:30	28	6.12	331	---	51.5	off scale	298	300	black!
May 19, 2017	13:40	←	not enough	recovery	—	→	318	320		clear to pale brown
May 22, 2017	10:30	6	not enough	recovery	—	→	338	340		brown
May 24, 2017	13:00	16.0	6.80	293.3	2.6	---	70.6	358	360	pale gray
May 23, 2017	10:15	—	not enough	recovery	—	—	378	380		
May 23, 2017	12:00	16.8	7.29	261.4	0.49	-79.1	off scale	383	385	
May 23, 2017	14:15	17.8	7.27	283.3	1.75	139	off scale	398	400	pale brown
May 24, 2017	10:30	22.7	6.91	104	5.15	104.2	1184.6	418	420	pale brown to brown
May 24, 2017	13:40	←	—	no recovery	—	—	438	440		
May 24, 2017	15:20	←	—	no recovery	—	—	443	445		
May 25, 2017	10:45	←	—	no recovery	—	—	458	460		

— — Would not/calibrate or off scale



Page 2 of 3

## Hydropunch Sample

Client: NWIRP - Bethpage  
Project No: 60266526  
Site Location: VPB 169 (sump)  
Weather Conds: Variable

Date: May 25, 2017 - June 19, 2017  
VPB: 169  
Collector(s): Vigenie Thaeger  
Paul Kaepp

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
5/25/17	13:30	18.5	6.54	114.7	6.55	146.8	311.6	463	465	clear
5/26/17	10:15	17.3	7.54	146.3	4.79	45.1	off scale	478	480	light brown
5/26/17	14:30	18.2	7.17	65.7	6.54	70.6	--	503	505	tan
5/30/17	11:00	←	not enough recovery	→				518	520	brown
5/30/17	15:30	←	not enough recovery	→				558	560	pale brown
5/31/17	14:00	←	no recovery	→				588	590	
6/1/17	10:30	←	not enough recovery	→				593	595	brown
6/1/17	13:00	←	not enough recovery	→				598	600	clear to very pale brown
6/2/17	12:30	←	no recovery	→				638	640	
6/4/17	14:00	17.3	7.67	236	--	--	554.4	643	645	pale brown
6/7/17	11:15	19.6	6.99	90.9	5.22	50.3	1100	658	660	pale brown to brown
6/7/17	14:45	17.3	6.41	78.1	20.45	80.4	1048	678	680	
6/8/17	12:15	17.0°C	6.77	161.1	436.9	-414	--	698	700	brownish gray
6/10/17	15:00	17.0°C	6.97	364.8	415	33.3	--	718	720	brown
6/9/17	12:00	←	no recovery	→				738	740	brown
6/14/17	14:45	←	not enough recovery	→				768	770	greyish brown
6/15/17	12:15	22.5	6.89	164.12	--	23.8	--	788	790	pale gray to gray
6/16/17	11:45	←	no recovery	→				818	820	
6/16/17	14:00	←	not enough recovery	→				823	824	
6/19/17	11:45	←	not enough recovery	→				838	840	gray

--- would not calibrate or off scale



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## Hydropunch Sample

Client: NWIRP - Bethpage  
Project No: 60266526  
Site Location: VPB 169 (Sump)  
Weather Conds: variable

Date : June 21 - June 28, 2017  
VPB: 169  
Collector(s): E. Traeger

--- Would not calibrate or off-scale

## **Section 4**

### **VPB169 Analytical Data Validation**

- Analytical Data Sheets
- Chain of Custody Records
- Validation Letter and Table



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## DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage		
Laboratory:	Katahdin Analytical		
Sample Delivery Group:	BETHPAGE VPB169		
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C and Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A		
Validation Level:	3		
Project Number:	0888812477.SA.DV		
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 10/15/2017	
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: BETHPAGE VPB169_8260C_9060A	

## SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage Site on 12 May to 27 June 2017 in accordance with the following Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants, April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants, November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York.* (Resolution Consultants, August 2014).

Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB169-TB-051217	SK3960-1	Trip Blank	8260C
VPB169-GW-051217-58-60	SK3960-2	Groundwater	8260C
VPB169-GW-051217-98-100	SK3960-3	Groundwater	8260C
VPB169-TB-051617	SK4052-1	Trip Blank	8260C
VPB169-GW-051617-148-150	SK4052-2	Groundwater	8260C
VPB169-GW-051617-198-200	SK4052-3	Groundwater	8260C
VPB169-GW-051717-218-220	SK4052-4	Groundwater	8260C
VPB169-GW-D-051717	SK4052-5	Groundwater	8260C
VPB169-GW-051717-243-245	SK4052-6	Groundwater	8260C
VPB169-TB-051817	SK4121-1	Trip Blank	8260C
VPB169-GW-051817-258-260	SK4121-2	Groundwater	8260C

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## Data Validation Report — Sample Delivery Group BETHPAGE VPB169

Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB169-GW-051817-283-285	SK4121-3	Groundwater	8260C
VPB169-TB-051917	SK4218-1	Trip Blank	8260C
VPB169-GW-051917-298-300	SK4218-2DL	Groundwater	8260C
VPB169-GW-051917-318-320	SK4218-3	Groundwater	8260C
VPB169-GW-052217-338-340	SK4218-4	Groundwater	8260C
VPB169-GW-052217-358-360	SK4218-5	Groundwater	8260C
VPB169-TB-052317	SK4327-1	Trip Blank	8260C
VPB169-GW-052317-383-385	SK4327-2	Groundwater	8260C
VPB169-GW-052317-398-400	SK4327-3	Groundwater	8260C
VPB169-GW-052417-418-420	SK4327-4	Groundwater	8260C
VPB169-TB-052517	SK4466-1	Trip Blank	8260C
VPB169-GW-052517-463-465	SK4466-2	Groundwater	8260C
VPB169-GW-052617-478-480	SK4516-1	Groundwater	8260C
VPB169-GW-052617-503-505	SK4516-2	Groundwater	8260C
VPB169-TB-052617	SK4516-3	Trip Blank	8260C
VPB169-GW-053017-518-520	SK4516-4DL	Groundwater	8260C
VPB169-EB-053017	SK4516-5	Equipment Blank	8260C
VPB169-FD-GW-053017	SK4516-6	Groundwater	8260C
VPB169-GW-053017-558-560	SK4516-7	Groundwater	8260C
VPB169-GW-060117-598-600	SK4609-1	Groundwater	8260C
VPB169-GW-060117-593-595	SK4609-2DL	Groundwater	8260C
VPB169-SO-060117-603-605	SK4609-3	Soil	9060A
VPB169-EB-060117-603-605	SK4609-4	Equipment Blank	9060A
VPB169-TB-060117	SK4609-5	Trip Blank	8260C
169-060817-698-700	SK4901-1	Groundwater	8260C
169-060817-718-720	SK4901-2	Groundwater	8260C
169-060717-658-660	SK4901-3	Groundwater	8260C
169-060717-678-680	SK4901-4	Groundwater	8260C
169-060617-643-645	SK4901-5	Groundwater	8260C
VPB169-TB-060617	SK4901-6	Trip Blank	8260C
VPB169-TB-060917	SK5006-1	Trip Blank	8260C
VPB169-GW-060917-743-745	SK5006-2DL	Groundwater	8260C
VPB169-TB-061417	SK5194-1	Trip Blank	8260C
VPB169-GW-061417-768-770	SK5194-2DL2	Groundwater	8260C
VPB169-GW-061517-788-790	SK5194-3RA	Groundwater	8260C
VPB169-EB-061517	SK5194-4	Equipment Blank	8260C
VPB169-GW-061517-798-800	SK5194-5DL2	Groundwater	8260C
VPB169-TB-061617	SK5272-1RA	Trip Blank	8260C



Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB169-GW-061617-823-825	SK5272-2DL2	Groundwater	8260C
VPB169-GW-061917-838-840	SK5272-3DL2	Groundwater	8260C
VPB169-FB-061917	SK5272-4RA	Field Blank	8260C
VPB169-TB-062117	SK5418-1	Trip Blank	8260C
VPB169-GW-062117-898-900	SK5418-2DL	Groundwater	8260C
VPB169-GW-062117-918-920	SK5418-3DL	Groundwater	8260C
VPB169-GW-062217-953-955	SK5418-4DL	Groundwater	8260C
VPB169-TB-062617	SK5566-1	Trip Blank	8260C
VPB169-GW-062717-1028-1030	SK5566-2DL	Groundwater	8260C
VPB169-GW-062617-1008-1010	SK5566-3DL	Groundwater	8260C

Data validation activities were conducted using the following guidance documents: *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 8260C, Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry* (U.S. EPA, 2006), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 9060A, Total Organic Carbon* (U.S. EPA, 1996), *Method SM5310B, Total Organic Carbon by High-Temperature Combustion*, U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (NFG, June 2008), U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review (NFG, January 2010), and Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements and/or professional judgment were used as appropriate.

## REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

- ✓ Holding times and sample preservation
- ✓ Gas chromatography/Mass spectrometer performance checks
- ✗ Initial calibration (ICAL) /initial calibration verification (ICV)/continuing calibration verification (CCV)
- ✗ Laboratory blanks/field blanks/equipment blanks/trip blanks
- ✗ Surrogate spike recoveries
- ✗ Matrix spike and/or matrix spike duplicate results
- ✗ Laboratory control sample/laboratory control sample duplicate results
- ✓ Field duplicates



- ✓ Internal standards
- ✓ Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. Acceptable data parameters for which all criteria were met and no qualification was performed and non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further. The symbol (✗) indicates that a QC non-conformance resulted in the qualification of data. Any QC non-conformance that resulted in the qualification of data is discussed below.

## RESULTS

### Initial Calibration/Continuing Calibration Verification

Calibration data were reviewed for conformance with the QC acceptance criteria to ensure that:

- The ICAL percent relative standard deviation, correlation coefficient/coefficient of determination, and/or response factor method acceptance criteria were met
- The ICV standard percent recovery acceptance criteria were met
- The CCV method percent difference or percent drift and response factor acceptance criteria were met
- The retention time method acceptance criteria were met

Data qualification to the analytes associated with the specific ICAL was as follows:

#### ICAL Linearity Non-conformance:

Criteria	Actions	
	Detected Results	Non-detected Results
%RSD >15% and quantitation based on mean response factor	J	UJ

#### Notes:

- %RSD = Relative standard deviation  
J = Estimated  
UJ = Undetected and estimated

Data qualification to the analytes associated with the specific ICV was as follows:

#### ICV Recovery Non-conformance:

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Criteria	Actions	
	Detected Results	Non-detected Results
Recovery >120%	J	UJ
Recovery < 80%	J	UJ

**Notes:**

J = Estimated  
UJ = Undetected and estimated

Data qualification to the analytes associated with the specific CCV was as follows:

**CCV Linearity Non-conformance:**

Criteria	Actions	
	Detected Results	Non-detected Results
%Difference or %Drift > 20%	J	UJ

**Notes:**

J = Estimated  
UJ = Undetected and estimated

**Laboratory Blanks/Equipment Blanks/ Field Blanks/Trip Blanks**

Laboratory blanks, equipment blanks, field blanks, and trip blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. All results associated with a particular blank were evaluated to determine whether there was an inherent variability in the data, or if a problem was an isolated occurrence that did not affect the data. Samples were flagged in accordance with *Functional Guidelines* (shown below) where detections were not believed to be site-related.

**Blank Non-conformance Charts:**

For common lab contaminants (methylene chloride, acetone, 2-butanone):			
Blank type	Blank result	Sample result	Action for samples
Method, Storage, Trip, Field, or Equipment	Detects  ≤ 2x LOQ	Not detected	No qualification
		< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ and ≤ 4x the LOQ	Report the sample result with a U**
		≥ 4x the LOQ	No qualifications
	> 2x LOQ	< LOD	Report sample LOD value with a U**
		≥ LOD and < 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ and < blank contamination	Report the blank result with a U or reject the sample result as unusable R
		≥ 2x LOQ and ≥ blank contamination	If the result is ≤ 2x blank result, report the sample result U.** If the result is > 2x blank result, no qualification is required. **

\*\*Based on Resolution Consultants professional judgment

<b><i>For all other compounds:</i></b>			
<b>Blank type</b>	<b>Blank result</b>	<b>Sample result</b>	<b>Action for samples</b>
Method, Storage, Trip, Field, or Equipment	Detects	Not detected	No qualification
	< 2x LOQ	< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ	Use professional judgment
	> 2x LOQ	< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ and < blank contamination	Report the blank result with a U or reject the sample result as unusable R
		≥ 2x LOQ and ≥ blank contamination	If the result is ≤ 2x blank result, report the sample result U. If the result is > 2x blank result, no qualification is required.
	= 2x LOQ	< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ	Use professional judgment
	Gross contamination	Detects	Qualify results as unusable R

***Notes:***

LOQ = Limit of quantitation  
 LOD = Limit of detection  
 U = Undetected  
 R = Rejected

### **Surrogate Spike Recovery**

Surrogates provide information needed to assess the accuracy of analyses. Known amounts of surrogate compounds, which are not likely to be found in the actual samples, are added to each organic sample to check for accuracy. If surrogate percent recoveries (%Rs) are close to the known concentrations, the reported target compound concentrations are assumed to be accurate. Data qualification on the basis of surrogate recovery was as follows:

### **Surrogate Spike Recovery Non-Conformance Chart:**

<b>Criteria</b>	<b>Action</b>	
	<b>Detected</b>	<b>Non-Detected</b>
Lower Limit ≤ %R or RPD ≤ Upper Limit	No qualification	No qualification
% R > Upper Limit	J	No qualification
20% <%R < Lower Limit	J	UJ
% R < 20%	J	Rejected

***Notes:***

%R = Percent recovery  
 RPD = Relative percent differences  
 J = Estimated value  
 UJ = Undetected and estimated

**Laboratory Control Samples / Laboratory Control Sample Duplicate**

LCS %Rs is used to monitor the overall accuracy and performance of each step during analysis, including sample preparation. The laboratory analyzed LCSs in duplicate when matrix spike/matrix spike duplicates were not reported. In these instances, the laboratory determined precision between the duplicated values. Data qualification to the analytes associated with the specific LCS/LCS duplicate was as follows:

**Laboratory Control Sample / Laboratory Control Sample Duplicate Non-conformance Chart:**

Criteria	Action	
	Detected	Non-detected
% R or RPD > UL	J	No qualification
%R < LL	J	UJ
%R < 20%	J	Rejected

**Notes:**

- %R = Percent recovery  
RPD = Relative percent difference  
UL = Upper limit  
LL = Lower limit  
J = Estimated  
UJ = Undetected and estimated

**Matrix Spike/Matrix Spike Duplicate Results**

MS/MSDs are generated to provide information about the effect of each sample matrix on the sample preparation and the measurement methodology. MS/MSD percent %Rs assess the effect of the sample matrix on the accuracy of the analytical results and %Rs above the laboratory control limit could indicate a potential high result bias while %Rs below QC limits could indicate a potential low result bias. The relative percent differences (RPDs) between the MS and MSD results are evaluated to assess sample precision. The MS/MSD %Rs and RPDs were reviewed for conformance with the QC acceptance criteria. Data qualification to the analytes associated with the specific MS/MSD non-conformances were as follows:

**Matrix Spike/Matrix Spike Duplicate Non-Conformances Chart:**

Criteria	Action	
	Detected Compounds	Non-Detected Compounds
%R or RPD > Upper Limit	J	No qualification
20% $\leq$ %R < Lower Limit	J	UJ
%R < 20%	J	Rejected

**Notes:**

%R	=	Percent recovery
RPD	=	Relative percent difference
J	=	Estimated
UJ	=	Undetected and estimated

**Qualifications Actions**

The data were reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation but greater than the method detection limit were qualified by the laboratory as estimated (J). This "J" qualifier was retained during data validation. Any sample that was analyzed at a dilution because of high concentrations of target or non-target analytes was checked to confirm that the results and/or sample-specific limit of quantitation and limit of detections were adjusted accordingly by the laboratory.

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to U.S. EPA and Department of Defense guidelines. Final data review qualifiers used to describe results and how they should be interpreted by the end data user are provided in Attachment A and Attachment B. Attachment C provides final results after data review.

**ATTACHMENTS**

Attachment A: Qualifier Codes and Explanations

Attachment B: Reason Codes and Explanations

Attachment C: Final Results after Data Review

**Attachment A**  
**Qualifier Codes and Explanations**

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual quantitation limit necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

**Attachment B**  
**Reason Codes and Explanations**

<b>Reason Code</b>	<b>Explanation</b>
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing blank information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument tune
k	Estimated maximum possible concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
p-h	Uncertainty near detection limit (< Reporting Limit), historical reason code applied.
pe	Post Extraction Spike
q	Quantitation issue
r	Dual column RPD
rt	SIM ions not within + 2 seconds
s	Surrogate recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
x	Low % solids
y	Serial dilution results
z	ICS results

**Attachment C**  
**Final Results after Data Review**

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK3960 SK3960-1 VPB169-TB-051217 5/12/2017 Trip Blank
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	2.5 UJ c
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 UJ c
8260C	ETHYLBENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK3960 SK3960-2 VPB169-GW-051217-58-60 5/12/2017 Groundwater
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5      U
8260C	2-BUTANONE	78-93-3	UG L	2.5      U
8260C	2-HEXANONE	591-78-6	UG L	2.5      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5      U
8260C	ACETONE	67-64-1	UG L	27      J      c
8260C	BENZENE	71-43-2	UG L	0.5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5      U
8260C	BROMOFORM	75-25-2	UG L	0.5      U
8260C	BROMOMETHANE	74-83-9	UG L	1      U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5      U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5      U
8260C	CHLOROETHANE	75-00-3	UG L	1      U
8260C	CHLOROFORM	67-66-3	UG L	0.5      U
8260C	CHLOROMETHANE	74-87-3	UG L	1      U      bt
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5      U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1      UJ      c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1      U
8260C	METHYL ACETATE	79-20-9	UG L	0.75      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5      U
8260C	O-XYLENE	95-47-6	UG L	0.5      U
8260C	STYRENE	100-42-5	UG L	0.5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5      U
8260C	TOLUENE	108-88-3	UG L	0.5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1      U
8260C	VINYL CHLORIDE	75-01-4	UG L	1      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5      U

**Notes:**

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK3960 SK3960-3 VPB169-GW-051217-98-100 5/12/2017 Groundwater
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5      U
8260C	2-BUTANONE	78-93-3	UG L	2.5      U
8260C	2-HEXANONE	591-78-6	UG L	2.5      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5      U
8260C	ACETONE	67-64-1	UG L	13      J      c
8260C	BENZENE	71-43-2	UG L	0.5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5      U
8260C	BROMOFORM	75-25-2	UG L	0.5      U
8260C	BROMOMETHANE	74-83-9	UG L	1      U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5      U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5      U
8260C	CHLOROETHANE	75-00-3	UG L	1      U
8260C	CHLOROFORM	67-66-3	UG L	0.5      U
8260C	CHLOROMETHANE	74-87-3	UG L	1      U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5      U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1      UJ      c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1      U
8260C	METHYL ACETATE	79-20-9	UG L	0.75      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5      U
8260C	O-XYLENE	95-47-6	UG L	0.5      U
8260C	STYRENE	100-42-5	UG L	0.5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5      U
8260C	TOLUENE	108-88-3	UG L	0.5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1      U
8260C	VINYL CHLORIDE	75-01-4	UG L	1      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5      U

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4052 SK4052-1 VPB169-TB-051617 5/16/2017 Trip Blank
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5      U
8260C	2-BUTANONE	78-93-3	UG L	2.5      U
8260C	2-HEXANONE	591-78-6	UG L	2.5      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5      U
8260C	ACETONE	67-64-1	UG L	2.5      U
8260C	BENZENE	71-43-2	UG L	0.5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5      U
8260C	BROMOFORM	75-25-2	UG L	0.5      U
8260C	BROMOMETHANE	74-83-9	UG L	1      U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5      U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5      U
8260C	CHLOROETHANE	75-00-3	UG L	1      U
8260C	CHLOROFORM	67-66-3	UG L	0.5      U
8260C	CHLOROMETHANE	74-87-3	UG L	1      UJ      c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5      U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1      UJ      c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1      U
8260C	METHYL ACETATE	79-20-9	UG L	0.75      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5      U
8260C	O-XYLENE	95-47-6	UG L	0.5      U
8260C	STYRENE	100-42-5	UG L	0.5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5      U
8260C	TOLUENE	108-88-3	UG L	0.5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1      U
8260C	VINYL CHLORIDE	75-01-4	UG L	1      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5      U

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4052 SK4052-2 VPB169-GW-051617-148-150 5/16/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	57 J S,C
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1.3 J S,C
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 UJ C
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4052 SK4052-3 VPB169-GW-051617-198-200 5/16/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	29 J s,c
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1.1 J s,m,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 UJ c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4052 SK4052-4 VPB169-GW-051717-218-220 5/17/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	35 J S,C
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1.2 J S,C
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 UJ C
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4052 SK4052-5 VPB169-GW-D-051717 5/17/2017 Field Duplicate
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	33 J s,c
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	0.97 J s,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 UJ c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4052 SK4052-6 VPB169-GW-051717-243-245 5/17/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	32 J S,C
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1.4 J S,C
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 UJ C
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4121 SK4121-1 VPB169-TB-051817 5/18/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4121 SK4121-2 VPB169-GW-051817-258-260 5/18/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.36 J
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	27 J c
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1.6 J
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4121 SK4121-3 VPB169-GW-051817-283-285 5/18/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	1.2
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	6.9
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	1.8
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	0.24
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5
8260C	2-BUTANONE	78-93-3	UG L	2.5
8260C	2-HEXANONE	591-78-6	UG L	2.5
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5
8260C	ACETONE	67-64-1	UG L	23 J c
8260C	BENZENE	71-43-2	UG L	0.5
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5
8260C	BROMOFORM	75-25-2	UG L	0.5
8260C	BROMOMETHANE	74-83-9	UG L	1
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5
8260C	CHLOROBENZENE	108-90-7	UG L	0.5
8260C	CHLOROETHANE	75-00-3	UG L	1
8260C	CHLOROFORM	67-66-3	UG L	0.5
8260C	CHLOROMETHANE	74-87-3	UG L	1.2
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.24
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5
8260C	CYCLOHEXANE	110-82-7	UG L	0.5
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1
8260C	ETHYL BENZENE	100-41-4	UG L	0.5
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1
8260C	METHYL ACETATE	79-20-9	UG L	0.75
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5
8260C	O-XYLENE	95-47-6	UG L	0.5
8260C	STYRENE	100-42-5	UG L	0.5
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5
8260C	TOLUENE	108-88-3	UG L	0.5
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5
8260C	TRICHLOROETHENE	79-01-6	UG L	0.88
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1
8260C	VINYL CHLORIDE	75-01-4	UG L	1
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4218 SK4218-1 VPB169-TB-051917 5/19/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4218 SK4218-2DL VPB169-GW-051917-298-300 5/19/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	10	UJ	mc
8260C	ACETONE	67-64-1	UG L	30	J	c,mc
8260C	BENZENE	71-43-2	UG L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	2	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	4	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	4	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	4	UJ	mc
8260C	ETHYL BENZENE	100-41-4	UG L	2	UJ	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	4	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	3	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	10	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	2	UJ	mc
8260C	STYRENE	100-42-5	UG L	2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	2	UJ	mc
8260C	TOLUENE	108-88-3	UG L	2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	2	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	4	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	4	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	6	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4218 SK4218-3 VPB169-GW-051917-318-320 5/19/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	3.9
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	23 J c
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	0.99 J
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4218 SK4218-4 VPB169-GW-052217-338-340 5/22/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	2.6	J	c,mc
8260C	2-HEXANONE	591-78-6	UG L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG L	38	J	c,mc
8260C	BENZENE	71-43-2	UG L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	1.7	J	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	mc
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	UJ	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4218 SK4218-5 VPB169-GW-052217-358-360 5/22/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	1.6		
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	29	J	c
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	3		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4327 SK4327-1 VPB169-TB-052317 5/23/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4327 SK4327-2 VPB169-GW-052317-383-385 5/23/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U mc
8260C	2-BUTANONE	78-93-3	UG L	2.5 U mc
8260C	2-HEXANONE	591-78-6	UG L	2.5 U mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U mc
8260C	ACETONE	67-64-1	UG L	31 J c,mc
8260C	BENZENE	71-43-2	UG L	0.5 U mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U mc
8260C	BROMOFORM	75-25-2	UG L	0.5 U mc
8260C	BROMOMETHANE	74-83-9	UG L	1 U mc
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U mc
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U mc
8260C	CHLOROETHANE	75-00-3	UG L	1 U mc
8260C	CHLOROFORM	67-66-3	UG L	0.5 U mc
8260C	CHLOROMETHANE	74-87-3	UG L	1 U mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U mc
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U mc
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U mc
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U mc
8260C	O-XYLENE	95-47-6	UG L	0.5 U mc
8260C	STYRENE	100-42-5	UG L	0.5 U mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U mc
8260C	TOLUENE	108-88-3	UG L	0.5 U mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U mc
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U mc
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4327 SK4327-3 VPB169-GW-052317-398-400 5/23/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	mc
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	mc
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	mc
8260C	ACETONE	67-64-1	UG L	40	J	c,mc
8260C	BENZENE	71-43-2	UG L	0.5	U	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	mc
8260C	BROMOFORM	75-25-2	UG L	0.5	U	mc
8260C	BROMOMETHANE	74-83-9	UG L	1	U	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	mc
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	mc
8260C	CHLOROETHANE	75-00-3	UG L	1	U	mc
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	mc
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	mc
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	mc
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	mc
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	mc
8260C	O-XYLENE	95-47-6	UG L	0.5	U	mc
8260C	STYRENE	100-42-5	UG L	0.5	U	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	mc
8260C	TOLUENE	108-88-3	UG L	0.5	U	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4327 SK4327-4 VPB169-GW-052417-418-420 5/24/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	38 J c
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1.6 J
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4466 SK4466-1 VPB169-TB-052517 5/25/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4466 SK4466-2 VPB169-GW-052517-463-465 5/25/2017 Groundwater
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5      U
8260C	2-BUTANONE	78-93-3	UG L	2.5      U
8260C	2-HEXANONE	591-78-6	UG L	2.5      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5      U
8260C	ACETONE	67-64-1	UG L	2.5      U
8260C	BENZENE	71-43-2	UG L	0.5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5      U
8260C	BROMOFORM	75-25-2	UG L	0.5      U
8260C	BROMOMETHANE	74-83-9	UG L	1      U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5      U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5      U
8260C	CHLOROETHANE	75-00-3	UG L	1      U
8260C	CHLOROFORM	67-66-3	UG L	0.5      U
8260C	CHLOROMETHANE	74-87-3	UG L	1      U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5      U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1      U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1      U
8260C	METHYL ACETATE	79-20-9	UG L	0.75      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5      U
8260C	O-XYLENE	95-47-6	UG L	0.5      U
8260C	STYRENE	100-42-5	UG L	0.5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5      U
8260C	TOLUENE	108-88-3	UG L	0.5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1      U
8260C	VINYL CHLORIDE	75-01-4	UG L	1      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5      U

**Notes:**

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4516 SK4516-1 VPB169-GW-052617-478-480 5/26/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	3 J
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4516 SK4516-2 VPB169-GW-052617-503-505 5/26/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	3.4	J	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4516 SK4516-3 VPB169-TB-052617 5/26/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4516 SK4516-4DL VPB169-GW-053017-518-520 5/30/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	1	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	1	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	1	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	2	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	1	U	
8260C	2-BUTANONE	78-93-3	UG L	5	U	
8260C	2-HEXANONE	591-78-6	UG L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	5	U	
8260C	ACETONE	67-64-1	UG L	21		
8260C	BENZENE	71-43-2	UG L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	1	U	
8260C	BROMOFORM	75-25-2	UG L	1	U	
8260C	BROMOMETHANE	74-83-9	UG L	2	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG L	1	U	
8260C	CHLOROETHANE	75-00-3	UG L	2	U	
8260C	CHLOROFORM	67-66-3	UG L	1	U	
8260C	CHLOROMETHANE	74-87-3	UG L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	1	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	2	U	
8260C	ETHYL BENZENE	100-41-4	UG L	1	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	2	U	
8260C	METHYL ACETATE	79-20-9	UG L	1.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	5	U	
8260C	O-XYLENE	95-47-6	UG L	1	U	
8260C	STYRENE	100-42-5	UG L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	1	U	
8260C	TOLUENE	108-88-3	UG L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	1	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	2	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	3	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4516 SK4516-5 VPB169-EB-053017 5/30/2017 Equipment Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	5.8		
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4516 SK4516-6 VPB169-FD-GW-053017 5/30/2017 Field Duplicate		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4516 SK4516-7 VPB169-GW-053017-558-560 5/30/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	2.5 U
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4609 SK4609-1 VPB169-GW-060117-598-600 6/1/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	2.5 UJ c
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.58 J
8260C	CHLOROMETHANE	74-87-3	UG L	1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

<b>Method</b>	<b>Analyte</b>	<b>Sample Delivery Group</b>			<b>SK4609</b>		
		<b>Lab Identification</b>			SK4609-2DL		
		<b>Sample Identification</b>			VPB169-GW-060117-593-595		
		<b>Sample Date</b>			6/1/2017		
<b>Sample Type</b>		<b>Groundwater</b>					
8260C	1,1,1-TRICHLOROETHANE	CAS No	71-55-6	Units	UG L	Result	UJ
8260C	1,1,2,2-TETRACHLOROETHANE		79-34-5		1	Qual	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		76-13-1		1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE		79-00-5		1	UJ	mc
8260C	1,1-DICHLOROETHANE		75-34-3		1	UJ	mc
8260C	1,1-DICHLOROETHENE		75-35-4		1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE		120-82-1		1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE		96-12-8		1.5	UJ	mc
8260C	1,2-DIBROMOETHANE		106-93-4		1	UJ	mc
8260C	1,2-DICHLOROBENZENE		95-50-1		1	UJ	mc
8260C	1,2-DICHLOROETHANE		107-06-2		1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL		540-59-0		2	UJ	mc
8260C	1,2-DICHLOROPROPANE		78-87-5		1	UJ	mc
8260C	1,3-DICHLOROBENZENE		541-73-1		1	UJ	mc
8260C	1,4-DICHLOROBENZENE		106-46-7		1	UJ	mc
8260C	2-BUTANONE		78-93-3		2.7	J	mc
8260C	2-HEXANONE		591-78-6		5	UJ	mc
8260C	4-METHYL-2-PENTANONE		108-10-1		5	UJ	mc
8260C	ACETONE		67-64-1		6.9	J	I,c
8260C	BENZENE		71-43-2		1	UJ	mc
8260C	BROMODICHLOROMETHANE		75-27-4		1	UJ	mc
8260C	BROMOFORM		75-25-2		1	UJ	mc
8260C	BROMOMETHANE		74-83-9		2	UJ	mc
8260C	CARBON DISULFIDE		75-15-0		1	UJ	mc
8260C	CARBON TETRACHLORIDE		56-23-5		1	UJ	mc
8260C	CHLOROBENZENE		108-90-7		1	UJ	mc
8260C	CHLOROETHANE		75-00-3		2	UJ	mc
8260C	CHLOROFORM		67-66-3		1	UJ	mc
8260C	CHLOROMETHANE		74-87-3		2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE		156-59-2		1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE		10061-01-5		1	UJ	mc
8260C	CYCLOHEXANE		110-82-7		1	UJ	mc
8260C	DIBROMOCHLOROMETHANE		124-48-1		1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE		75-71-8		2	UJ	mc
8260C	ETHYL BENZENE		100-41-4		1	UJ	mc
8260C	ISOPROPYL BENZENE		98-82-8		1	UJ	mc
8260C	M- AND P-XYLENE		108-38-3/106-42		2	UJ	mc
8260C	METHYL ACETATE		79-20-9		1.5	UJ	mc
8260C	METHYL CYCLOHEXANE		108-87-2		1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER		1634-04-4		1	UJ	mc
8260C	METHYLENE CHLORIDE		75-09-2		5	UJ	mc
8260C	O-XYLENE		95-47-6		1	UJ	mc
8260C	STYRENE		100-42-5		1	UJ	mc
8260C	TETRACHLOROETHENE		127-18-4		1	UJ	mc
8260C	TOLUENE		108-88-3		1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE		156-60-5		1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE		10061-02-6		1	UJ	mc
8260C	TRICHLOROETHENE		79-01-6		1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE		75-69-4		2	UJ	mc
8260C	VINYL CHLORIDE		75-01-4		2	UJ	mc
8260C	XYLENES, TOTAL		1330-20-7		3	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4609 SK4609-5 VPB169-TB-060117 6/1/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4901 SK4901-1 169-060817-698-700 6/8/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG L	26	J	mc,c
8260C	BENZENE	71-43-2	UG L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	mc
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	UJ	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4901 SK4901-2 169-060817-718-720 6/8/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	1.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG L	5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	5	UJ	mc
8260C	ACETONE	67-64-1	UG L	12	J	mc,c
8260C	BENZENE	71-43-2	UG L	1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	1	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	2	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	2	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	2	UJ	mc
8260C	ETHYL BENZENE	100-41-4	UG L	1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG L	1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	1.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	5	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	1	UJ	mc
8260C	STYRENE	100-42-5	UG L	1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	1	UJ	mc
8260C	TOLUENE	108-88-3	UG L	1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	3	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4901 SK4901-3 169-060717-658-660 6/7/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG L	2.5	UJ	mc
8260C	BENZENE	71-43-2	UG L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	mc
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	UJ	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4901 SK4901-4 169-060717-678-680 6/7/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG L	2.5	UJ	mc
8260C	BENZENE	71-43-2	UG L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	mc
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	UJ	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4901 SK4901-5 169-060617-643-645 6/6/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	1.6	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG L	4	J	mc,c
8260C	BENZENE	71-43-2	UG L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	mc
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	UJ	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK4901 SK4901-6 VPB169-TB-060617 6/6/2017 Trip Blank
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5      U
8260C	2-BUTANONE	78-93-3	UG L	2.5      U
8260C	2-HEXANONE	591-78-6	UG L	2.5      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5      U
8260C	ACETONE	67-64-1	UG L	2.5      U
8260C	BENZENE	71-43-2	UG L	0.5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5      U
8260C	BROMOFORM	75-25-2	UG L	0.5      U
8260C	BROMOMETHANE	74-83-9	UG L	1      U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5      U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5      U
8260C	CHLOROETHANE	75-00-3	UG L	1      U
8260C	CHLOROFORM	67-66-3	UG L	0.5      U
8260C	CHLOROMETHANE	74-87-3	UG L	1      U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5      U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1      U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1      U
8260C	METHYL ACETATE	79-20-9	UG L	0.75      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5      U
8260C	O-XYLENE	95-47-6	UG L	0.5      U
8260C	STYRENE	100-42-5	UG L	0.5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5      U
8260C	TOLUENE	108-88-3	UG L	0.5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1      U
8260C	VINYL CHLORIDE	75-01-4	UG L	1      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5      U

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5006 SK5006-1 VPB169-TB-060917 6/9/2017 Trip Blank
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5      U
8260C	2-BUTANONE	78-93-3	UG L	2.5      U
8260C	2-HEXANONE	591-78-6	UG L	2.5      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5      U
8260C	ACETONE	67-64-1	UG L	2.5      U
8260C	BENZENE	71-43-2	UG L	0.5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5      U
8260C	BROMOFORM	75-25-2	UG L	0.5      U
8260C	BROMOMETHANE	74-83-9	UG L	1      U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5      U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5      U
8260C	CHLOROETHANE	75-00-3	UG L	1      U
8260C	CHLOROFORM	67-66-3	UG L	0.5      U
8260C	CHLOROMETHANE	74-87-3	UG L	1      U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5      U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1      UJ      c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1      U
8260C	METHYL ACETATE	79-20-9	UG L	0.75      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5      U
8260C	O-XYLENE	95-47-6	UG L	0.5      U
8260C	STYRENE	100-42-5	UG L	0.5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5      U
8260C	TOLUENE	108-88-3	UG L	0.5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1      U
8260C	VINYL CHLORIDE	75-01-4	UG L	1      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5      U

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5006 SK5006-2DL VPB169-GW-060917-743-745 6/9/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	2.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	2.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	2.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	2.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	2.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	2.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	2.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	3.8	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	2.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	2.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	2.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	5	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	2.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	2.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	2.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG L	12	UJ	mc
8260C	2-HEXANONE	591-78-6	UG L	12	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	12	UJ	mc
8260C	ACETONE	67-64-1	UG L	20	J	mc,c
8260C	BENZENE	71-43-2	UG L	2.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	2.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG L	2.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG L	5	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG L	2.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	2.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG L	2.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG L	5	UJ	mc
8260C	CHLOROFORM	67-66-3	UG L	2.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG L	5	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	2.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	2.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG L	2.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	2.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	5	UJ	mc,c
8260C	ETHYL BENZENE	100-41-4	UG L	2.5	UJ	mc
8260C	ISOPROPYL BENZENE	98-82-8	UG L	2.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	5	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG L	3.8	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	2.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	2.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG L	12	UJ	mc
8260C	O-XYLENE	95-47-6	UG L	2.5	UJ	mc
8260C	STYRENE	100-42-5	UG L	2.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG L	2.5	UJ	mc
8260C	TOLUENE	108-88-3	UG L	2.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	2.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	2.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG L	2.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	5	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG L	5	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG L	7.5	UJ	mc

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5194 SK5194-1 VPB169-TB-061417 6/14/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5194 SK5194-2DL2 VPB169-GW-061417-768-770 6/14/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	2 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	2 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	2 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	2 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	2 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	2 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	2 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	3 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	2 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	2 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	2 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	4 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	2 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	2 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	2 U
8260C	2-BUTANONE	78-93-3	UG L	10 U
8260C	2-HEXANONE	591-78-6	UG L	10 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	10 U
8260C	ACETONE	67-64-1	UG L	25
8260C	BENZENE	71-43-2	UG L	2 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	2 U
8260C	BROMOFORM	75-25-2	UG L	2 U
8260C	BROMOMETHANE	74-83-9	UG L	4 U
8260C	CARBON DISULFIDE	75-15-0	UG L	2 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	2 U
8260C	CHLOROBENZENE	108-90-7	UG L	2 U
8260C	CHLOROETHANE	75-00-3	UG L	4 U
8260C	CHLOROFORM	67-66-3	UG L	2 U
8260C	CHLOROMETHANE	74-87-3	UG L	4 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	2 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	2 U
8260C	CYCLOHEXANE	110-82-7	UG L	2 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	2 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	4 U
8260C	ETHYL BENZENE	100-41-4	UG L	2 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	2 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	4 U
8260C	METHYL ACETATE	79-20-9	UG L	3 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	2 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	2 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	10 U
8260C	O-XYLENE	95-47-6	UG L	2 U
8260C	STYRENE	100-42-5	UG L	2 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	2 U
8260C	TOLUENE	108-88-3	UG L	2 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	2 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	2 U
8260C	TRICHLOROETHENE	79-01-6	UG L	2 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	4 U
8260C	VINYL CHLORIDE	75-01-4	UG L	4 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	6 U

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5194 SK5194-3RA VPB169-GW-061517-788-790 6/15/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5 U
8260C	2-BUTANONE	78-93-3	UG L	2.5 U
8260C	2-HEXANONE	591-78-6	UG L	2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5 U
8260C	ACETONE	67-64-1	UG L	2.5 U be
8260C	BENZENE	71-43-2	UG L	0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5 U
8260C	BROMOFORM	75-25-2	UG L	0.5 U
8260C	BROMOMETHANE	74-83-9	UG L	1 U
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5 U
8260C	CHLOROBENZENE	108-90-7	UG L	0.5 U
8260C	CHLOROETHANE	75-00-3	UG L	1 U
8260C	CHLOROFORM	67-66-3	UG L	0.5 U
8260C	CHLOROMETHANE	74-87-3	UG L	1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5 U
8260C	CYCLOHEXANE	110-82-7	UG L	0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1 U
8260C	ETHYL BENZENE	100-41-4	UG L	0.5 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1 U
8260C	METHYL ACETATE	79-20-9	UG L	0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5 U
8260C	O-XYLENE	95-47-6	UG L	0.5 U
8260C	STYRENE	100-42-5	UG L	0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5 U
8260C	TOLUENE	108-88-3	UG L	0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1 U
8260C	VINYL CHLORIDE	75-01-4	UG L	1 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5194 SK5194-4 VPB169-EB-061517 6/15/2017 Equipment Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	6.2		
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	11		
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5194 SK5194-5DL2 VPB169-GW-061517-798-800 6/15/2017 Groundwater
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	7.5      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	10      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	5      U
8260C	2-BUTANONE	78-93-3	UG L	25      U
8260C	2-HEXANONE	591-78-6	UG L	25      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	25      U
8260C	ACETONE	67-64-1	UG L	25      U
8260C	BENZENE	71-43-2	UG L	5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	5      U
8260C	BROMOFORM	75-25-2	UG L	5      U
8260C	BROMOMETHANE	74-83-9	UG L	10      U
8260C	CARBON DISULFIDE	75-15-0	UG L	5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	5      U
8260C	CHLOROBENZENE	108-90-7	UG L	5      U
8260C	CHLOROETHANE	75-00-3	UG L	10      U
8260C	CHLOROFORM	67-66-3	UG L	5      U
8260C	CHLOROMETHANE	74-87-3	UG L	10      U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	5      U
8260C	CYCLOHEXANE	110-82-7	UG L	5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	10      U
8260C	ETHYL BENZENE	100-41-4	UG L	5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	10      U
8260C	METHYL ACETATE	79-20-9	UG L	7.5      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	25      U
8260C	O-XYLENE	95-47-6	UG L	5      U
8260C	STYRENE	100-42-5	UG L	5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	5      U
8260C	TOLUENE	108-88-3	UG L	5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	10      U
8260C	VINYL CHLORIDE	75-01-4	UG L	10      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	15      U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5272 SK5272-IRA VPB169-TB-061617 6/16/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
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**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5272 SK5272-2DL2 VPB169-GW-061617-823-825 6/16/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	1	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	1	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	1	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	2	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	1	U	
8260C	2-BUTANONE	78-93-3	UG L	5	U	
8260C	2-HEXANONE	591-78-6	UG L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	5	U	
8260C	ACETONE	67-64-1	UG L	11	J	I
8260C	BENZENE	71-43-2	UG L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	1	U	
8260C	BROMOFORM	75-25-2	UG L	1	U	
8260C	BROMOMETHANE	74-83-9	UG L	2	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG L	1	U	
8260C	CHLOROETHANE	75-00-3	UG L	2	U	
8260C	CHLOROFORM	67-66-3	UG L	1	U	
8260C	CHLOROMETHANE	74-87-3	UG L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	1	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	2	U	
8260C	ETHYL BENZENE	100-41-4	UG L	1	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	2	U	
8260C	METHYL ACETATE	79-20-9	UG L	1.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	5	U	
8260C	O-XYLENE	95-47-6	UG L	1	U	
8260C	STYRENE	100-42-5	UG L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	1	U	
8260C	TOLUENE	108-88-3	UG L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	1	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	2	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	3	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5272 SK5272-3DL2 VPB169-GW-061917-838-840 6/19/2017 Groundwater
Method	Analyte	CAS No	Units	Result      Qual      RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	5      U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	5      U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	5      U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	5      U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	5      U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	5      U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	5      U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	7.5      U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	5      U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	5      U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	5      U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	10      U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	5      U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	5      U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	5      U
8260C	2-BUTANONE	78-93-3	UG L	25      U
8260C	2-HEXANONE	591-78-6	UG L	25      U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	25      U
8260C	ACETONE	67-64-1	UG L	25      U
8260C	BENZENE	71-43-2	UG L	5      U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	5      U
8260C	BROMOFORM	75-25-2	UG L	5      U
8260C	BROMOMETHANE	74-83-9	UG L	10      U
8260C	CARBON DISULFIDE	75-15-0	UG L	5      U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	5      U
8260C	CHLOROBENZENE	108-90-7	UG L	5      U
8260C	CHLOROETHANE	75-00-3	UG L	10      U
8260C	CHLOROFORM	67-66-3	UG L	5      U
8260C	CHLOROMETHANE	74-87-3	UG L	10      U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	5      U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	5      U
8260C	CYCLOHEXANE	110-82-7	UG L	5      U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	5      U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	10      U
8260C	ETHYL BENZENE	100-41-4	UG L	5      U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	5      U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	10      U
8260C	METHYL ACETATE	79-20-9	UG L	7.5      U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	5      U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	5      U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	25      U
8260C	O-XYLENE	95-47-6	UG L	5      U
8260C	STYRENE	100-42-5	UG L	5      U
8260C	TETRACHLOROETHENE	127-18-4	UG L	5      U
8260C	TOLUENE	108-88-3	UG L	5      U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	5      U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	5      U
8260C	TRICHLOROETHENE	79-01-6	UG L	5      U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	10      U
8260C	VINYL CHLORIDE	75-01-4	UG L	10      U
8260C	XYLENES, TOTAL	1330-20-7	UG L	15      U

**Notes:**

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5272 SK5272-4RA VPB169-FB-061917 6/19/2017 Field Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5418 SK5418-1 VPB169-TB-062117 6/21/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5418 SK5418-2DL VPB169-GW-062117-898-900 6/21/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	10 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	10 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	10 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	10 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	10 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	10 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	10 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	15 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	10 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	10 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	10 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	20 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	10 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	10 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	10 U
8260C	2-BUTANONE	78-93-3	UG L	50 U
8260C	2-HEXANONE	591-78-6	UG L	50 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	50 U
8260C	ACETONE	67-64-1	UG L	50 U
8260C	BENZENE	71-43-2	UG L	10 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	10 U
8260C	BROMOFORM	75-25-2	UG L	10 U
8260C	BROMOMETHANE	74-83-9	UG L	20 U
8260C	CARBON DISULFIDE	75-15-0	UG L	10 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	10 U
8260C	CHLOROBENZENE	108-90-7	UG L	10 U
8260C	CHLOROETHANE	75-00-3	UG L	20 U
8260C	CHLOROFORM	67-66-3	UG L	10 U
8260C	CHLOROMETHANE	74-87-3	UG L	20 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	10 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	10 U
8260C	CYCLOHEXANE	110-82-7	UG L	10 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	10 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	20 U
8260C	ETHYL BENZENE	100-41-4	UG L	10 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	10 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	20 U
8260C	METHYL ACETATE	79-20-9	UG L	15 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	10 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	10 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	50 U
8260C	O-XYLENE	95-47-6	UG L	10 U
8260C	STYRENE	100-42-5	UG L	10 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	10 U
8260C	TOLUENE	108-88-3	UG L	10 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	10 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	10 U
8260C	TRICHLOROETHENE	79-01-6	UG L	10 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	20 U
8260C	VINYL CHLORIDE	75-01-4	UG L	20 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	30 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5418 SK5418-3DL VPB169-GW-062117-918-920 6/21/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	10 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	10 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	10 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	10 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	10 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	10 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	10 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	15 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	10 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	10 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	10 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	20 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	10 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	10 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	10 U
8260C	2-BUTANONE	78-93-3	UG L	50 U
8260C	2-HEXANONE	591-78-6	UG L	50 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	50 U
8260C	ACETONE	67-64-1	UG L	50 U
8260C	BENZENE	71-43-2	UG L	10 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	10 U
8260C	BROMOFORM	75-25-2	UG L	10 U
8260C	BROMOMETHANE	74-83-9	UG L	20 U
8260C	CARBON DISULFIDE	75-15-0	UG L	10 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	10 U
8260C	CHLOROBENZENE	108-90-7	UG L	10 U
8260C	CHLOROETHANE	75-00-3	UG L	20 U
8260C	CHLOROFORM	67-66-3	UG L	10 U
8260C	CHLOROMETHANE	74-87-3	UG L	20 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	10 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	10 U
8260C	CYCLOHEXANE	110-82-7	UG L	10 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	10 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	20 U
8260C	ETHYL BENZENE	100-41-4	UG L	10 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	10 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	20 U
8260C	METHYL ACETATE	79-20-9	UG L	15 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	10 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	10 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	50 U
8260C	O-XYLENE	95-47-6	UG L	10 U
8260C	STYRENE	100-42-5	UG L	10 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	10 U
8260C	TOLUENE	108-88-3	UG L	10 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	10 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	10 U
8260C	TRICHLOROETHENE	79-01-6	UG L	10 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	20 U
8260C	VINYL CHLORIDE	75-01-4	UG L	20 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	30 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5418 SK5418-4DL VPB169-GW-062217-953-955 6/22/2017 Groundwater
Method	Analyte	CAS No	Units	Result Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	10 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	10 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	10 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	10 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	10 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	10 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	10 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	15 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	10 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	10 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	10 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	20 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	10 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	10 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	10 U
8260C	2-BUTANONE	78-93-3	UG L	50 U
8260C	2-HEXANONE	591-78-6	UG L	50 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	50 U
8260C	ACETONE	67-64-1	UG L	50 U
8260C	BENZENE	71-43-2	UG L	10 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	10 U
8260C	BROMOFORM	75-25-2	UG L	10 U
8260C	BROMOMETHANE	74-83-9	UG L	20 U
8260C	CARBON DISULFIDE	75-15-0	UG L	10 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	10 U
8260C	CHLOROBENZENE	108-90-7	UG L	10 U
8260C	CHLOROETHANE	75-00-3	UG L	20 U
8260C	CHLOROFORM	67-66-3	UG L	10 U
8260C	CHLOROMETHANE	74-87-3	UG L	20 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	10 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	10 U
8260C	CYCLOHEXANE	110-82-7	UG L	10 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	10 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	20 U
8260C	ETHYL BENZENE	100-41-4	UG L	10 U
8260C	ISOPROPYL BENZENE	98-82-8	UG L	10 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	20 U
8260C	METHYL ACETATE	79-20-9	UG L	15 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	10 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	10 U
8260C	METHYLENE CHLORIDE	75-09-2	UG L	50 U
8260C	O-XYLENE	95-47-6	UG L	10 U
8260C	STYRENE	100-42-5	UG L	10 U
8260C	TETRACHLOROETHENE	127-18-4	UG L	10 U
8260C	TOLUENE	108-88-3	UG L	10 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	10 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	10 U
8260C	TRICHLOROETHENE	79-01-6	UG L	10 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	20 U
8260C	VINYL CHLORIDE	75-01-4	UG L	20 U
8260C	XYLENES, TOTAL	1330-20-7	UG L	30 U

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5566 SK5566-1 VPB169-TB-062617 6/26/2017 Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

**Notes:**

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5566 SK5566-2DL VPB169-GW-062717-1028-1030 6/27/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	2.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	2.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	2.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	2.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	2.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	2.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	2.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	3.8	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	2.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	2.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	2.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	5	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	2.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	2.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	2.5	U	
8260C	2-BUTANONE	78-93-3	UG L	12	U	
8260C	2-HEXANONE	591-78-6	UG L	12	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	12	U	
8260C	ACETONE	67-64-1	UG L	14	J	
8260C	BENZENE	71-43-2	UG L	2.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	2.5	U	
8260C	BROMOFORM	75-25-2	UG L	2.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	5	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	2.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	2.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	2.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	5	U	
8260C	CHLOROFORM	67-66-3	UG L	2.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	5	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	2.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	2.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	2.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	2.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	5	U	
8260C	ETHYL BENZENE	100-41-4	UG L	2.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	2.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	5	U	
8260C	METHYL ACETATE	79-20-9	UG L	3.8	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	2.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	2.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	12	U	
8260C	O-XYLENE	95-47-6	UG L	2.5	U	
8260C	STYRENE	100-42-5	UG L	2.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	2.5	U	
8260C	TOLUENE	108-88-3	UG L	2.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	2.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	2.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	2.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	5	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	5	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	7.5	U	

**Notes:**

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

Sample Delivery Group Lab Identification Sample Identification Sample Date Sample Type				SK5566 SK5566-3DL VPB169-GW-062617-1008-1010 6/26/2017 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	2.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	2.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	2.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	2.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	2.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	2.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	2.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	3.8	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	2.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	2.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	2.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	5	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	2.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	2.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	2.5	U	
8260C	2-BUTANONE	78-93-3	UG L	12	U	
8260C	2-HEXANONE	591-78-6	UG L	12	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	12	U	
8260C	ACETONE	67-64-1	UG L	20	J	
8260C	BENZENE	71-43-2	UG L	2.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	2.5	U	
8260C	BROMOFORM	75-25-2	UG L	2.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	5	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	2.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	2.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	2.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	5	U	
8260C	CHLOROFORM	67-66-3	UG L	2.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	5	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	2.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	2.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	2.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	2.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	5	U	
8260C	ETHYL BENZENE	100-41-4	UG L	2.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	2.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	5	U	
8260C	METHYL ACETATE	79-20-9	UG L	3.8	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	2.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	2.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	12	U	
8260C	O-XYLENE	95-47-6	UG L	2.5	U	
8260C	STYRENE	100-42-5	UG L	2.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	2.5	U	
8260C	TOLUENE	108-88-3	UG L	2.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	2.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	2.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	2.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	5	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	5	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	7.5	U	

**Notes:**

UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment A)  
 RC = Reason codes (See Attachment B)

**Final Results after Data Review**  
**NWIRP Bethpage OU 2 Regional Groundwater Investigation**

<b>Sample Delivery Group</b> <b>Lab Identification</b> <b>Sample Identification</b> <b>Sample Date</b> <b>Sample Type</b>				SK4609		SK4609	
				SK4609-3		SK4609-4	
				VPB169-SO-060117-603-605		VPB169-EB-060117-603-605	
				6/1/2017		6/1/2017	
				Soil		Equipment Blank	
<b>Method</b>	<b>Analyte</b>	<b>CAS No</b>	<b>Units</b>	Result	Qual	Result	Qual
2540G	TOTAL SOLIDS	-29	PCT	87		NA	
9060A	TOTAL ORGANIC CARBON	-28	MG_L	NA		0.75	J
9060A	TOTAL ORGANIC CARBON	-28	UG_G	570	J	NA	

**Notes:**

PCT = Percent  
 MG\_L = Milligrams per liter  
 UG\_G = Micrograms per gram  
 Qual = Final qualifiers (See Attachment A)

RESOLUTION  
CONSULTANTS**DATA VALIDATION REPORT**

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	SK5185	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA Method TO-15	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 08/01/2017
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: SK5185_TO15

**SUMMARY**

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage site on 15 June 2017 in accordance with the following Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York.* (Resolution Consultants August 2014).

Sample ID	Matrix/Sample Type	Analysis
VPB169-AIR-061517	Air	TO-15

Data validation activities were conducted using the following guidance documents: *Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters and Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)* (U.S. EPA, Method TO-15), *U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (NFG, June 2008), and *Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories*, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements and/or professional judgment were used as appropriate.

**REVIEW ELEMENTS**

The data were evaluated based on the following parameters (where applicable to the method):



RESOLUTION  
CONSULTANTS

*Data Validation Report — Sample Delivery Group BETHPAGE VPB169*

- ✓ Data completeness (chain-of-custody (COC)/sample integrity)
- ✓ Holding times and sample preservation
- ✓ GC/MS performance checks
- ✓ Initial calibration/continuing calibration verification
- ✓ Laboratory blanks/trip blanks
- NA Matrix duplicate (MD) results
- ✓ Laboratory control sample (LCS) results
- NA Field duplicates
- ✓ Internal standards
- ✓ Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. Acceptable data parameters for which all criteria were met and no qualification was performed and non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further.

### **Qualifications Actions**

The data was reviewed independently from the laboratory to assess data quality and no results were qualified during this data review. Analytical completeness was calculated to be 100% and the data are usable for their intended purpose, according to U.S. EPA guidelines and Department of Defense guidelines. Attachment A provides final results after data review.

### **ATTACHMENTS**

Attachment A: Final Results after Data Review

**Attachment A**  
**Final Results after Data Review**

Sample Delivery Group				SK5185
Lab ID				SK5185-1
Sample ID				VPB169-AIR-061517
Sample Date				6/15/2017
Sample Type				Air
Method	Analyte	CAS No	Units	Result
TO-15	1,1,1-TRICHLOROETHANE	71-55-6	UG_M3	0.27
TO-15	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_M3	0.34
TO-15	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_M3	0.44
TO-15	1,1,2-TRICHLOROETHANE	79-00-5	UG_M3	0.27
TO-15	1,1-DICHLOROETHANE	75-34-3	UG_M3	0.2
TO-15	1,1-DICHLOROETHENE	75-35-4	UG_M3	0.2
TO-15	1,2,4-TRICHLOROBENZENE	120-82-1	UG_M3	0.4
TO-15	1,2-DIBROMOETHANE	106-93-4	UG_M3	0.38
TO-15	1,2-DICHLOROBENZENE	95-50-1	UG_M3	0.09
TO-15	1,2-DICHLOROETHANE	107-06-2	UG_M3	0.2
TO-15	1,2-DICHLOROPROPANE	78-87-5	UG_M3	0.23
TO-15	1,3-DICHLOROBENZENE	541-73-1	UG_M3	0.072
TO-15	1,4-DICHLOROBENZENE	106-46-7	UG_M3	0.3
TO-15	2-BUTANONE	78-93-3	UG_M3	0.32
TO-15	2-HEXANONE	591-78-6	UG_M3	0.2
TO-15	4-METHYL-2-PENTANONE	108-10-1	UG_M3	0.2
TO-15	ACETONE	67-64-1	UG_M3	10
TO-15	BENZENE	71-43-2	UG_M3	0.14
TO-15	BROMODICHLOROMETHANE	75-27-4	UG_M3	0.33
TO-15	BROMOFORM	75-25-2	UG_M3	0.52
TO-15	BROMOMETHANE	74-83-9	UG_M3	0.046
TO-15	CARBON DISULFIDE	75-15-0	UG_M3	0.037
TO-15	CARBON TETRACHLORIDE	56-23-5	UG_M3	0.41
TO-15	CHLOROBENZENE	108-90-7	UG_M3	0.23
TO-15	CHLOROETHANE	75-00-3	UG_M3	0.13
TO-15	CHLOROFORM	67-66-3	UG_M3	0.098
TO-15	CHLOROMETHANE	74-87-3	UG_M3	1.2
TO-15	CIS-1,2-DICHLOROETHENE	156-59-2	UG_M3	0.2
TO-15	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_M3	0.23
TO-15	CYCLOHEXANE	110-82-7	UG_M3	0.17
TO-15	DIBROMOCHLOROMETHANE	124-48-1	UG_M3	0.42
TO-15	DICHLORODIFLUOROMETHANE	75-71-8	UG_M3	2.6
TO-15	ETHYLBENZENE	100-41-4	UG_M3	0.074
TO-15	ISOPROPYLBENZENE	98-82-8	UG_M3	0.24
TO-15	M- AND P-XYLENE	108-38-3/106-42	UG_M3	0.36
TO-15	METHYL TERT-BUTYL ETHER	1634-04-4	UG_M3	0.18
TO-15	METHYLENE CHLORIDE	75-09-2	UG_M3	8
TO-15	O-XYLENE	95-47-6	UG_M3	0.065
TO-15	STYRENE	100-42-5	UG_M3	0.21
TO-15	TETRACHLOROETHENE	127-18-4	UG_M3	0.34
TO-15	TOLUENE	108-88-3	UG_M3	0.49
TO-15	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_M3	0.2
TO-15	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_M3	0.23
TO-15	TRICHLOROETHENE	79-01-6	UG_M3	0.27
TO-15	TRICHLOROFUOROMETHANE	75-69-4	UG_M3	1.8
TO-15	VINYL CHLORIDE	75-01-4	UG_M3	0.13
TO-15	XYLENES, TOTAL	1330-20-7	UG_M3	0.74

**Notes:**

UG\_M3 = Micrograms per cubic meter

Qual = Final qualifier

U = The analyte was analyzed for and not detected above the reported sample quantitation limit.

**Section 5**  
**VPB169 Analytical Data Table**

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	5/12/2017	5/12/2017	5/16/2017	5/16/2017
Sample ID		VPB169-GW-051217-58-60	VPB169-GW-051217-98-100	VPB169-GW-051617-148-150	VPB169-GW-051617-198-200
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<b>27 J</b>	<b>13 J</b>	<b>57 J</b>	<b>29 J</b>
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<b>1.3 J</b>	<b>1.1 J</b>
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	5/17/2017	5/17/2017	5/17/2017	5/18/2017
Sample ID		VPB169-GW-051717-218-220	VPB169-GW-D-051717-243-245	VPB169-GW-051717-243-245	VPB169-GW-051817-258-260
Sample type code		N	<b>FD</b>	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<b>0.36 J</b>
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<b>35 J</b>	<b>33 J</b>	<b>32 J</b>	<b>27 J</b>
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<b>1.2 J</b>	<b>0.97 J</b>	<b>1.4 J</b>	<b>1.6 J</b>
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	5/18/2017	5/19/2017	5/19/2017	5/22/2017
Sample ID		VPB169-GW-051817-283-285	VPB169-GW-051917-298-300	VPB169-GW-051917-318-320	VPB169-GW-052217-338-340
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<b>1.2</b>	<2.0 UJ	<0.50 U	<0.50 UJ
1,1,2-TETRACHLOROETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 U	<b>&lt;2.0 UJ</b>	<0.50 U	<0.50 UJ
1,1-DICHLOROETHANE	5	<b>6.9</b>	<2.0 UJ	<b>3.9</b>	<0.50 UJ
1,1-DICHLOROETHENE	5	<b>1.8</b>	<2.0 UJ	<0.50 U	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;3.0 UJ</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 UJ</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
1,2-DICHLOROETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<b>0.24 J</b>	<4.0 UJ	<1.0 U	<1.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 U	<b>&lt;2.0 UJ</b>	<0.50 U	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
2-BUTANONE	50	<2.5 U	<10 UJ	<2.5 U	<b>2.6 J</b>
2-HEXANONE	50	<2.5 U	<10 UJ	<2.5 U	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<10 UJ	<2.5 U	<2.5 UJ
ACETONE	50	<b>23 J</b>	<b>30 J</b>	<b>23 J</b>	<b>38 J</b>
BENZENE	1	<0.50 U	<b>&lt;2.0 UJ</b>	<0.50 U	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
BROMOFORM	50	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 UJ
CARBON DISULFIDE	60	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
CHLOROBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
CHLOROETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 UJ
CHLOROFORM	7	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
CHLOROMETHANE	5	<b>1.2 J</b>	<4.0 UJ	<b>0.99 J</b>	<b>1.7 J</b>
CIS-1,2-DICHLOROETHENE	5	<b>0.24 J</b>	<2.0 UJ	<0.50 U	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;2.0 UJ</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>
CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 U	<4.0 UJ	<1.0 U	<1.0 UJ
METHYL ACETATE	NL	<0.75 U	<3.0 UJ	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 U	<b>&lt;10 UJ</b>	<2.5 U	<2.5 UJ
O-XYLENE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
STYRENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
TETRACHLOROETHENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
TOLUENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;2.0 UJ</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>
TRICHLOROETHENE	5	<b>0.88 J</b>	<2.0 UJ	<0.50 U	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 UJ
VINYL CHLORIDE	2	<1.0 U	<b>&lt;4.0 UJ</b>	<1.0 U	<1.0 UJ
XYLENES, TOTAL	5	<1.5 U	<b>&lt;6.0 UJ</b>	<1.5 U	<1.5 UJ

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	5/22/2017	5/23/2017	5/23/2017	5/24/2017
Sample ID		VPB169-GW-052217-358-360	VPB169-GW-052317-383-385	VPB169-GW-052317-398-400	VPB169-GW-052417-418-420
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<b>1.6</b>	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<b>29 J</b>	<b>31 J</b>	<b>40 J</b>	<b>38 J</b>
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<b>3.0</b>	<1.0 U	<1.0 U	<b>1.6 J</b>
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	5/25/2017	5/26/2017	5/26/2017	5/30/2017
Sample ID		VPB169-GW-052517-463-465	VPB169-GW-052617-478-480	VPB169-GW-052617-503-505	VPB169-GW-053017-518-520
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,1,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;1.5 U</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<2.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<1.0 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<1.0 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<5.0 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<5.0 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<5.0 U
ACETONE	50	<2.5 U	<b>3 J</b>	<b>3.4 J</b>	<b>21</b>
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<1.0 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<1.0 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<1.0 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<2.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<1.0 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<2.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<1.0 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<2.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;1.0 U</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<1.0 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<2.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<2.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<1.5 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<1.0 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<1.0 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<5.0 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<1.0 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;1.0 U</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<1.0 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<2.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<2.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<3 U

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	5/30/2017	5/30/2017	6/1/2017	6/1/2017
Sample ID		VPB169-GW-053017-558-560	VPB169-FD-GW-053017-593-595	VPB169-GW-060117-598-600	VPB169-GW-060117-598-600
Sample type code		N	<b>FD</b>	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,1,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;1.5 UJ</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<b>2.7 J</b>	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<5.0 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<5.0 UJ	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<b>6.9 J</b>	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<1.0 UJ	<b>0.58 J</b>
CHLOROMETHANE	5	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;1.0 UJ</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<1.5 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<5.0 UJ	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;1.0 UJ</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<1.0 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<2.0 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<3.0 UJ	<1.5 U

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	6/6/2017	6/7/2017	6/7/2017	6/8/2017
Sample ID		169-060617-643-645	169-060717-658-660	169-060717-678-680	169-060817-698-700
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<b>1.6 J</b>	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 UJ</b>
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
2-BUTANONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
2-HEXANONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	<b>4.0 J</b>	<2.5 UJ	<2.5 UJ	<b>26 J</b>
BENZENE	1	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>
CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
METHYL ACETATE	NL	<0.75 UJ	<0.75 UJ	<0.75 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
O-XYLENE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
STYRENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>
TRICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
VINYL CHLORIDE	2	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
XYLENES, TOTAL	5	<1.5 UJ	<1.5 UJ	<1.5 UJ	<1.5 UJ

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	6/8/2017	6/9/2017	6/14/2017	6/15/2017
Sample ID		169-060817-718-720	VPB169-GW-060917-743-745	VPB169-GW-061417-768-770	VPB169-GW-061517-788-790
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,1,2-TETRACHLOROETHANE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<1.0 UJ	<b>&lt;2.5 UJ</b>	<b>&lt;2.0 U</b>	<0.50 U
1,1-DICHLOROETHANE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,1-DICHLOROETHENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;1.5 UJ</b>	<b>&lt;3.8 UJ</b>	<b>&lt;3.0 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,2-DICHLOROBENZENE	3	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,2-DICHLOROETHANE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<2.0 UJ	<5.0 UJ	<4.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<1.0 UJ	<b>&lt;2.5 UJ</b>	<b>&lt;2.0 U</b>	<0.50 U
1,3-DICHLOROBENZENE	3	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
1,4-DICHLOROBENZENE	3	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
2-BUTANONE	50	<5.0 UJ	<12 UJ	<10 U	<2.5 U
2-HEXANONE	50	<5.0 UJ	<12 UJ	<10 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<5.0 UJ	<12 UJ	<10 U	<2.5 U
ACETONE	50	<b>12 J</b>	<b>20 J</b>	<b>25</b>	<2.5 U
BENZENE	1	<1.0 UJ	<b>&lt;2.5 UJ</b>	<b>&lt;2.0 U</b>	<0.50 U
BROMODICHLOROMETHANE	50	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
BROMOFORM	50	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
BROMOMETHANE	5	<2.0 UJ	<5.0 UJ	<4.0 U	<1.0 U
CARBON DISULFIDE	60	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
CARBON TETRACHLORIDE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
CHLOROBENZENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
CHLOROETHANE	5	<2.0 UJ	<5.0 UJ	<4.0 U	<1.0 U
CHLOROFORM	7	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
CHLOROMETHANE	5	<2.0 UJ	<5.0 UJ	<4.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;1.0 UJ</b>	<b>&lt;2.5 UJ</b>	<b>&lt;2.0 U</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<2.0 UJ	<5.0 UJ	<4.0 U	<1.0 U
ETHYLBENZENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
ISOPROPYLBENZENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
M- AND P-XYLENE	NL	<2.0 UJ	<5.0 UJ	<4.0 U	<1.0 U
METHYL ACETATE	NL	<1.5 UJ	<3.8 UJ	<3.0 U	<0.75 U
METHYL CYCLOHEXANE	NL	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
METHYLENE CHLORIDE	5	<5.0 UJ	<b>&lt;12 UJ</b>	<b>&lt;10 U</b>	<2.5 U
O-XYLENE	NL	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
STYRENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
TETRACHLOROETHENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
TOLUENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;1.0 UJ</b>	<b>&lt;2.5 UJ</b>	<b>&lt;2.0 U</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<1.0 UJ	<2.5 UJ	<2.0 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<2.0 UJ	<5.0 UJ	<4.0 U	<1.0 U
VINYL CHLORIDE	2	<2.0 UJ	<b>&lt;5.0 UJ</b>	<b>&lt;4.0 U</b>	<1.0 U
XYLENES, TOTAL	5	<3.0 UJ	<b>&lt;7.5 UJ</b>	<b>&lt;6.0 U</b>	<1.5 U

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	6/15/2017	6/16/2017	6/19/2017	6/21/2017
Sample ID		VPB169-GW-061517 798-800	VPB169-GW-061617 823-825	VPB169-GW-061917 838-840	VPB169-GW-062117 898-900
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
1,1,2-TETRACHLOROETHANE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
1,1,2-TRICHLOROETHANE	1	<5.0 U	<1.0 U	<5.0 U	<10 U
1,1-DICHLOROETHANE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
1,1-DICHLOROETHENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
1,2,4-TRICHLOROBENZENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<7.5 U	<1.5 U	<7.5 U	<15 U
1,2-DIBROMOETHANE	NL	<5.0 U	<1.0 U	<5.0 U	<10 U
1,2-DICHLOROBENZENE	3	<5.0 U	<1.0 U	<5.0 U	<10 U
1,2-DICHLOROETHANE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
1,2-DICHLOROETHENE, TOTAL	5	<10 U	<2.0 U	<10 U	<20 U
1,2-DICHLOROPROPANE	1	<5.0 U	<1.0 U	<5.0 U	<10 U
1,3-DICHLOROBENZENE	3	<5.0 U	<1.0 U	<5.0 U	<10 U
1,4-DICHLOROBENZENE	3	<5.0 U	<1.0 U	<5.0 U	<10 U
2-BUTANONE	50	<25 U	<5.0 U	<25 U	<50 U
2-HEXANONE	50	<25 U	<5.0 U	<25 U	<50 U
4-METHYL-2-PENTANONE	NL	<25 U	<5.0 U	<25 U	<50 U
ACETONE	50	<25 U	11 U	<25 U	<50 U
BENZENE	1	<5.0 U	<1.0 U	<5.0 U	<10 U
BROMODICHLOROMETHANE	50	<5.0 U	<1.0 U	<5.0 U	<10 U
BROMOFORM	50	<5.0 U	<1.0 U	<5.0 U	<10 U
BROMOMETHANE	5	<10 U	<2.0 U	<10 U	<20 U
CARBON DISULFIDE	60	<5.0 U	<1.0 U	<5.0 U	<10 U
CARBON TETRACHLORIDE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
CHLOROBENZENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
CHLOROETHANE	5	<10 U	<2.0 U	<10 U	<20 U
CHLOROFORM	7	<5.0 U	<1.0 U	<5.0 U	<10 U
CHLOROMETHANE	5	<10 U	<2.0 U	<10 U	<20 U
CIS-1,2-DICHLOROETHENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
CIS-1,3-DICHLOROPROPENE	0.4	<5.0 U	<1.0 U	<5.0 U	<10 U
CYCLOHEXANE	NL	<5.0 U	<1.0 U	<5.0 U	<10 U
DIBROMOCHLOROMETHANE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
DICHLORODIFLUOROMETHANE	5	<10 U	<2.0 U	<10 U	<20 U
ETHYLBENZENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
ISOPROPYLBENZENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
M- AND P-XYLENE	NL	<10 U	<2.0 U	<10 U	<20 U
METHYL ACETATE	NL	<7.5 U	<1.5 U	<7.5 U	<15 U
METHYL CYCLOHEXANE	NL	<5.0 U	<1.0 U	<5.0 U	<10 U
METHYL TERT-BUTYL ETHER	10	<5.0 U	<1.0 U	<5.0 U	<10 U
METHYLENE CHLORIDE	5	<25 U	<5.0 U	<25 U	<50 U
O-XYLENE	NL	<5.0 U	<1.0 U	<5.0 U	<10 U
STYRENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
TETRACHLOROETHENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
TOLUENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
TRANS-1,2-DICHLOROETHENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
TRANS-1,3-DICHLOROPROPENE	0.4	<5.0 U	<1.0 U	<5.0 U	<10 U
TRICHLOROETHENE	5	<5.0 U	<1.0 U	<5.0 U	<10 U
TRICHLOROFLUOROMETHANE	5	<10 U	<2.0 U	<10 U	<20 U
VINYL CHLORIDE	2	<10 U	<2.0 U	<10 U	<20 U
XYLENES, TOTAL	5	<15 U	<3.0 U	<15 U	<30 U

Location	NYSDEC	VPB169	VPB169	VPB169	VPB169
Sample Date	Groundwater Guidance or Standard Value (Note 1)	6/21/2017	6/22/2017	6/26/2017	6/27/2017
Sample ID		VPB169-GW-062117-918-920	VPB169-GW-062217-953-955	VPB169-GW-062617-1008-1010	VPB169-GW-062717-1028-1030
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<10 U	<10 U	<2.5 U	<2.5 U
1,1,2-TETRACHLOROETHANE	5	<10 U	<10 U	<2.5 U	<2.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<10 U	<10 U	<2.5 U	<2.5 U
1,1,2-TRICHLOROETHANE	1	<10 U	<10 U	<2.5 U	<2.5 U
1,1-DICHLOROETHANE	5	<10 U	<10 U	<2.5 U	<2.5 U
1,1-DICHLOROETHENE	5	<10 U	<10 U	<2.5 U	<2.5 U
1,2,4-TRICHLOROBENZENE	5	<10 U	<10 U	<2.5 U	<2.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<15 U	<15 U	<3.8 U	<3.8 U
1,2-DIBROMOETHANE	NL	<10 U	<10 U	<2.5 U	<2.5 U
1,2-DICHLOROBENZENE	3	<10 U	<10 U	<2.5 U	<2.5 U
1,2-DICHLOROETHANE	5	<10 U	<10 U	<2.5 U	<2.5 U
1,2-DICHLOROETHENE, TOTAL	5	<20 U	<20 U	<5.0 U	<5.0 U
1,2-DICHLOROPROPANE	1	<10 U	<10 U	<2.5 U	<2.5 U
1,3-DICHLOROBENZENE	3	<10 U	<10 U	<2.5 U	<2.5 U
1,4-DICHLOROBENZENE	3	<10 U	<10 U	<2.5 U	<2.5 U
2-BUTANONE	50	<50 U	<50 U	<12 U	<12 U
2-HEXANONE	50	<50 U	<50 U	<12 U	<12 U
4-METHYL-2-PENTANONE	NL	<50 U	<50 U	<12 U	<12 U
ACETONE	50	<50 U	<50 U	20 J	14 J
BENZENE	1	<10 U	<10 U	<2.5 U	<2.5 U
BROMODICHLOROMETHANE	50	<10 U	<10 U	<2.5 U	<2.5 U
BROMOFORM	50	<10 U	<10 U	<2.5 U	<2.5 U
BROMOMETHANE	5	<20 U	<20 U	<5.0 U	<5.0 U
CARBON DISULFIDE	60	<10 U	<10 U	<2.5 U	<2.5 U
CARBON TETRACHLORIDE	5	<10 U	<10 U	<2.5 U	<2.5 U
CHLOROBENZENE	5	<10 U	<10 U	<2.5 U	<2.5 U
CHLOROETHANE	5	<20 U	<20 U	<5.0 U	<5.0 U
CHLOROFORM	7	<10 U	<10 U	<2.5 U	<2.5 U
CHLOROMETHANE	5	<20 U	<20 U	<5.0 U	<5.0 U
CIS-1,2-DICHLOROETHENE	5	<10 U	<10 U	<2.5 U	<2.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<10 U	<10 U	<2.5 U	<2.5 U
CYCLOHEXANE	NL	<10 U	<10 U	<2.5 U	<2.5 U
DIBROMOCHLOROMETHANE	5	<10 U	<10 U	<2.5 U	<2.5 U
DICHLORODIFLUOROMETHANE	5	<20 U	<20 U	<5.0 U	<5.0 U
ETHYLBENZENE	5	<10 U	<10 U	<2.5 U	<2.5 U
ISOPROPYLBENZENE	5	<10 U	<10 U	<2.5 U	<2.5 U
M- AND P-XYLENE	NL	<20 U	<20 U	<5.0 U	<5.0 U
METHYL ACETATE	NL	<15 U	<15 U	<3.8 U	<3.8 U
METHYL CYCLOHEXANE	NL	<10 U	<10 U	<2.5 U	<2.5 U
METHYL TERT-BUTYL ETHER	10	<10 U	<10 U	<2.5 U	<2.5 U
METHYLENE CHLORIDE	5	<50 U	<50 U	<12 U	<12 U
O-XYLENE	NL	<10 U	<10 U	<2.5 U	<2.5 U
STYRENE	5	<10 U	<10 U	<2.5 U	<2.5 U
TETRACHLOROETHENE	5	<10 U	<10 U	<2.5 U	<2.5 U
TOLUENE	5	<10 U	<10 U	<2.5 U	<2.5 U
TRANS-1,2-DICHLOROETHENE	5	<10 U	<10 U	<2.5 U	<2.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<10 U	<10 U	<2.5 U	<2.5 U
TRICHLOROETHENE	5	<10 U	<10 U	<2.5 U	<2.5 U
TRICHLOROFLUOROMETHANE	5	<20 U	<20 U	<5.0 U	<5.0 U
VINYL CHLORIDE	2	<20 U	<20 U	<5.0 U	<5.0 U
XYLENES, TOTAL	5	<30 U	<30 U	<7.5 U	<7.5 U

**Notes:**

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series  
(6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)  
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

**Bold** = Detected; ***Bold and Italic*** =Not detected exceeds NYS Groundwater Standards or guidance value  
Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

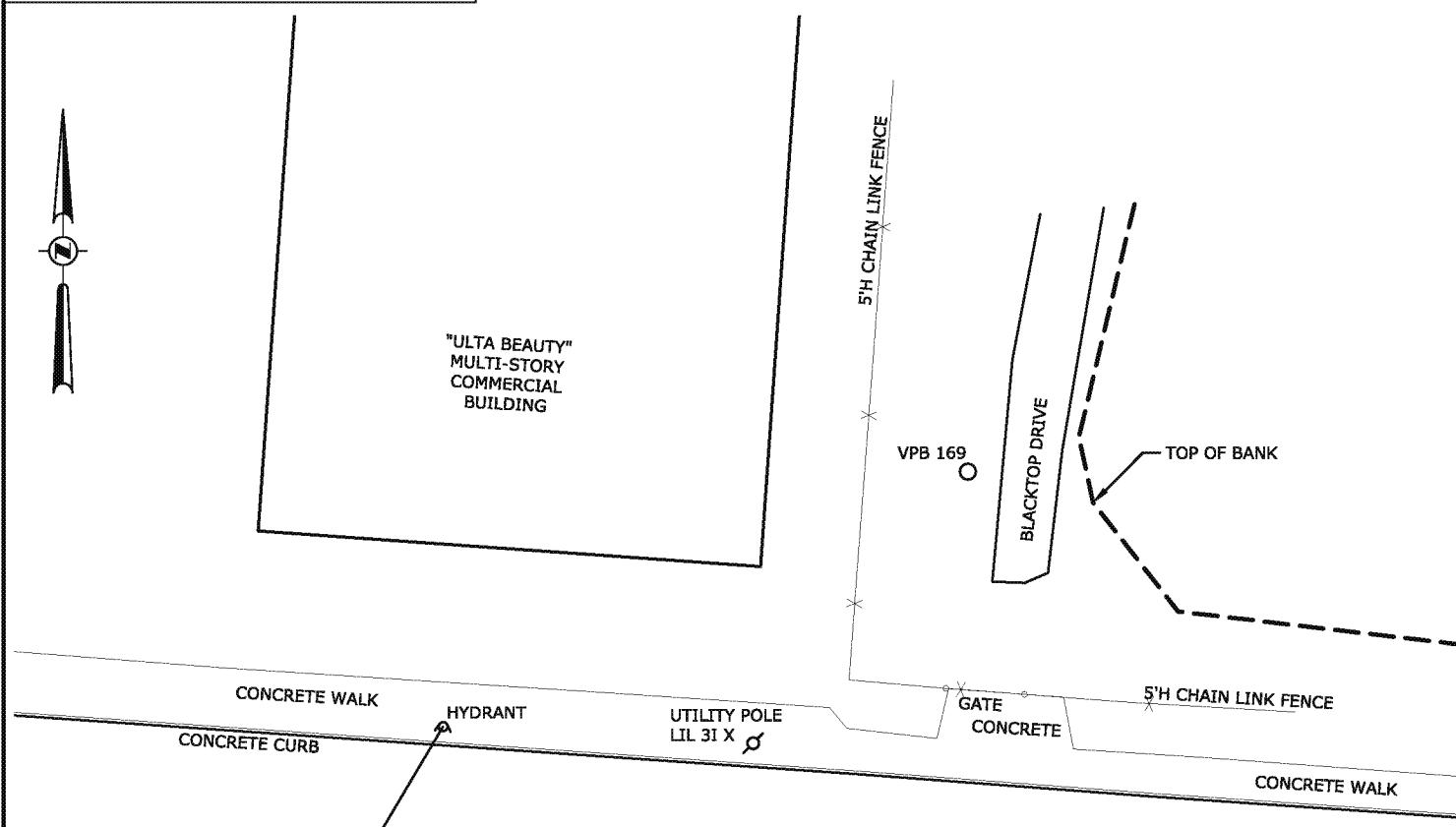
U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.  
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.  
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.  
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

## **Section 6**

### **VPB169 Survey**

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

Description	Northing	Easting	Latitude	Longitude	Ground	Top of Casing	Top of PVC
VPB 169	204142.11	1120103.49	N40-43-33.44	W73-30-35.49	83.45	82.66	NA



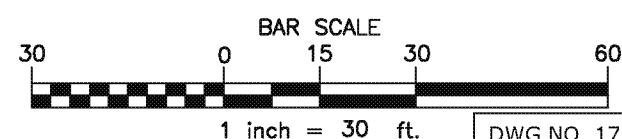
## Map Notes

- Information shown hereon was compiled from an actual field survey conducted on Sept. 8, 2017.
- North orientation is Grid North based on the New York State Plane Coordinate System, Long Island Zone, NAD 83(2011) epoch 2010.00 as obtained from GPS observations.
- Vertical datum shown hereon is NAVD 88(Geoid12A) as obtained from RTK GPS observations using the Queens CORS as a base station.

## LEGEND



VERTICAL PROFILE BORING



DWG NO. 17-579

Date	RECORD OF WORK	Appr.	VERTICAL PROFILE BORING 169 SURVEY LOCATION 3377 HEMPSTED TURNPIKE	
			LEVITTOWN, TOWN OF HEMPSTED	
			NASSAU COUNTY, NEW YORK	
			<b>C.T. MALE ASSOCIATES</b> Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.	
Drafter: MDD	Checker:		50 CENTURY HILL DRIVE, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299	
Appr. by: WJN	Proj. No. 14.4121		SCALE: 1"=30'	DATE: SEPT. 8, 2017



**Appendix B**  
**Geologic Cross sections derived from**  
**Environmental Sequence Stratigraphy (ESS)**

## **Appendix B. Geologic Cross Sections derived from Environmental Sequence Stratigraphy**

Resolution Consultants reviewed the geologic data and regional literature at the Naval Weapons Industrial Reserve Plant at Bethpage, New York and developed four representative base-wide cross sections to support development of a CSM. The cross sections are presented in Figure 1 - Figure 4. The cross sections provide geologic context for groundwater and analytical data and can be used as the framework upon which new and existing datasets (groundwater, analytical chemistry, geophysical data, etc.) can be analyzed to better understand groundwater flow-paths and contaminant transport and storage zones. As such, these sections are an integral component of an effective CSM.

The cross sections were developed using ESS. The ESS approach examines subsurface data in the context of the depositional environments and petroleum industry best practices of sequence stratigraphy and facies models. Shown for each boring included in the stratigraphic analysis are a vertical series of colored blocks which correspond to boring log lithology and a continuous data curve (in red or as a scan of a paper document, which corresponds to the gamma log). These colored blocks represent vertical grain size distribution and are the basis for the correlations between the data points.

The color coded blocks correspond to the graphic grainsize scale as shown in the cross-sections' keys. The width of the block increases with relative grainsize. Block color indicates the textural classification of the sediment (e.g., yellow for sand, green for silt, blue for clay) as written in the field notes of the core logging geologist (see the cross section keys for further definition).

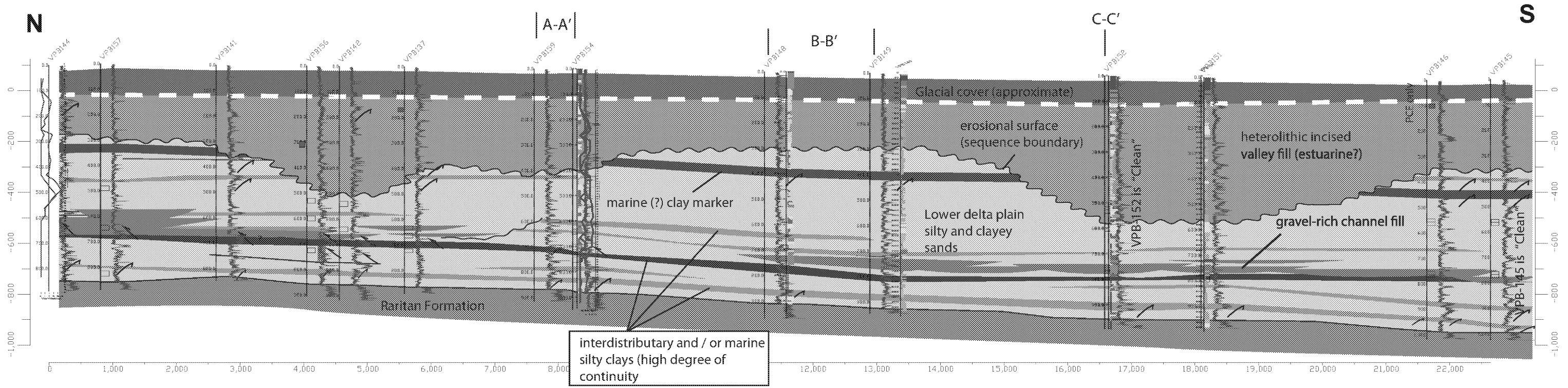
Logs of natural gamma emissions are a common proxy for grainsize. They typically are used as a correlation aide because repetitive spatially extensive trends in grainsize are easily identified visually when curves are examined along a given section. In non-granitic aquifer material, the chemistry of minerals found in clays result in higher concentrations of gamma emitting anions as opposed to the quartz, heavy minerals, and lithic fragments that generally predominate the coarser size fractions. Thus, peaks in the gamma logs can be indicative of clay layers and in general as gamma count per second increases, the grainsize decreases. Gamma logs should always be "calibrated" by comparing side by side with a lithologic log at representative locations. Good agreement between gamma logs and lithology logs were noted in the data points used for the ESS sections at Bethpage.

The previously established general hydrostratigraphy at Bethpage consists of the basal Raritan confining unit, the Magothy aquifer, and the shallow glacial aquifer. The stratigraphy shown in the sections presented in this technical memo is consistent with this general model but additionally shows the Magothy to consist of basal zone gravel-rich channel fills (orange in sections); extensive, planar marine clays (thin units shown in grey and dark green); and silty sands of inter-distributary and delta front origins (shown in tan). Additionally, an erosional incision into the lower delta plain sediments is observed throughout the site (portrayed in sections as a wavy solid black line). Above this, the Magothy sediments are more likely estuarine "incised valley fill" as indicated by the more heterogeneous gamma ray character. In some locations, such as VPB139 on section A-A', there appears to be clear lithologic control on contaminant distribution within the estuarine facies where the higher TCE and PCE concentrations occur in the coarser lithologic zones.

The depositional axis of the incised valley fill likely trends north-south/southeast. The incision is clearly indicated on all sections via the correlation of a prominent clay layer shown in sections in dark green. Where this clay is missing in the gamma logs, it is likely that it was eroded during a lowstand of sea level. Additionally, while relatively planar in their geometry, the major units dip gently south-south east. This is an important geologic characteristic to consider when comparing analytical results because hydrologic zones separated by thin confining layers within the Magothy may be accessed by screens of similar depth.

One of the most important benefits of the ESS approach is to develop and refine the CSM. ESS facilitates an understanding of the geology governing groundwater occurrence and movement, and provides an element for refining the approaches for assessment and remediation. The ESS results from this effort suggest that a modern analog (a modern geological setting that allows an understanding of the ancient environment) for the Magothy depositional environments is the Mackenzie River Delta, shown in Figure 5. Basal gravel zones are represented by the braided river deposits of the Toklat River, Alaska, in Figure 6.

# Environmental Sequence Stratigraphy Cross Section



## GRAIN SIZE LOG INDEX\*

\* not all grainsize categories shown in the comprehensive key are present at the site.  
Site sediments are predominantly fine (clays, sandy clays, silts, and fine to medium sand)

Clay	Silty Sand (Medium Sand with 10-20% Fines)
Clay with 10% Sand	Clayey Sand (Medium Sand with 10-20% Fines)
Clay with 20% Sand	Fine Sand with Fine Gravel
Clay with 30% Sand	Fine Sand with Medium Gravel
Clay with 40% Sand	Fine Sand with Coarse Gravel
Clay with Fine Gravel	Medium Sand
Clay with Medium Gravel	Silty Sand (Coarse Sand with 50% Fines)
Clay with Coarse Gravel	Clayey Sand (Coarse Sand with 50% Fines)
Silt	Silty Sand (Coarse Sand with 40% Fines)
Silt with 10% Sand	Clayey Sand (Coarse Sand with 40% Fines)
Silt with 20% Sand	Silty Sand (Coarse Sand with 30% Fines)
Sandy Silt	Clayey Sand (Coarse Sand with 30% Fines)
Silty Sand	Silty Sand (Coarse Sand with 10-20% Fines)
Clayey Sand	Clayey Sand (Coarse Sand with 10-20% Fines)
Silty Sand (Fine Sand with 40% Fines)	Medium Sand with Fine Gravel
Clayey Sand (Fine Sand with 40% Fines)	Medium Sand with Medium Gravel
Silty Sand (Fine Sand with 30% Fines)	Medium Sand with Coarse Gravel
Clayey Sand (Fine Sand with 30% Fines)	Coarse Sand
Silty Sand (Fine Sand with 10-20% Fines)	Coarse Sand with Fine Gravel
Clayey Sand (Fine Sand with 10-20% Fines)	Coarse Sand with Medium Gravel
Gravely Silt (Silt with Fine Gravel)	Coarse Sand with Coarse Gravel
Gravely Silt (Silt with Medium Gravel)	Clayey/Silty Gravel (Fine gravel with clay/silt)
Gravely Silt (Silt with Coarse Gravel)	Clayey/Silty Gravel (Medium gravel with clay/silt)
Fine Sand	Clayey/Silty Gravel (Coarse gravel with clay/silt)
Silty Sand (Medium Sand with 50% Fines)	Sandy Gravel (Fine Gravel with Sand)
Clayey Sand (Medium Sand with 50% Fines)	Sandy Gravel (Medium Gravel with Sand)
Silty Sand (Medium Sand with 40% Fines)	Sandy Gravel (Coarse Gravel with Sand)
Clayey Sand (Medium Sand with 40% Fines)	Fine Gravel
Silty Sand (Medium Sand with 30% Fines)	Medium Gravel
Clayey Sand (Medium Sand with 30% Fines)	Coarse Gravel

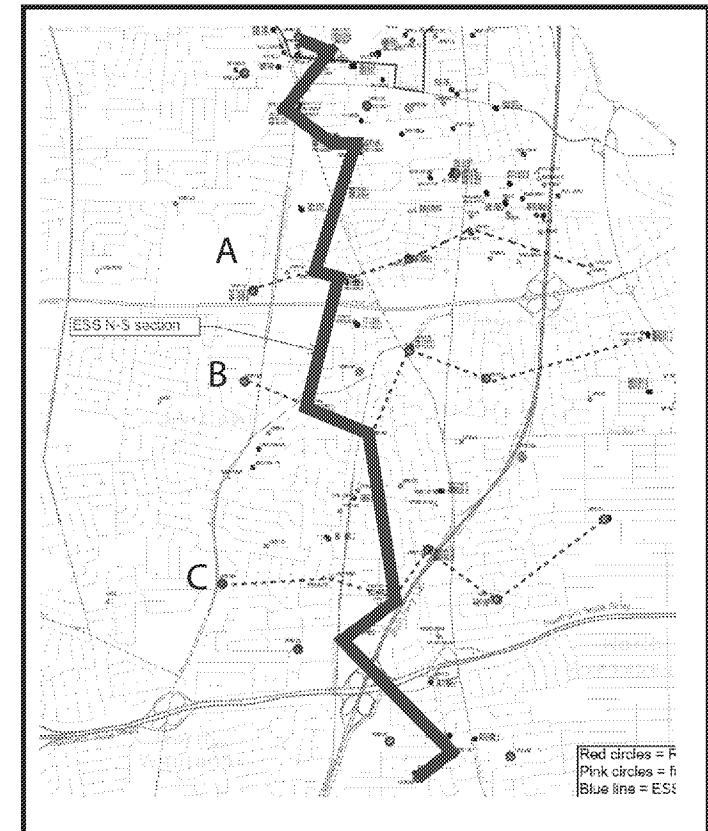


Figure 1. Cross Section N-S

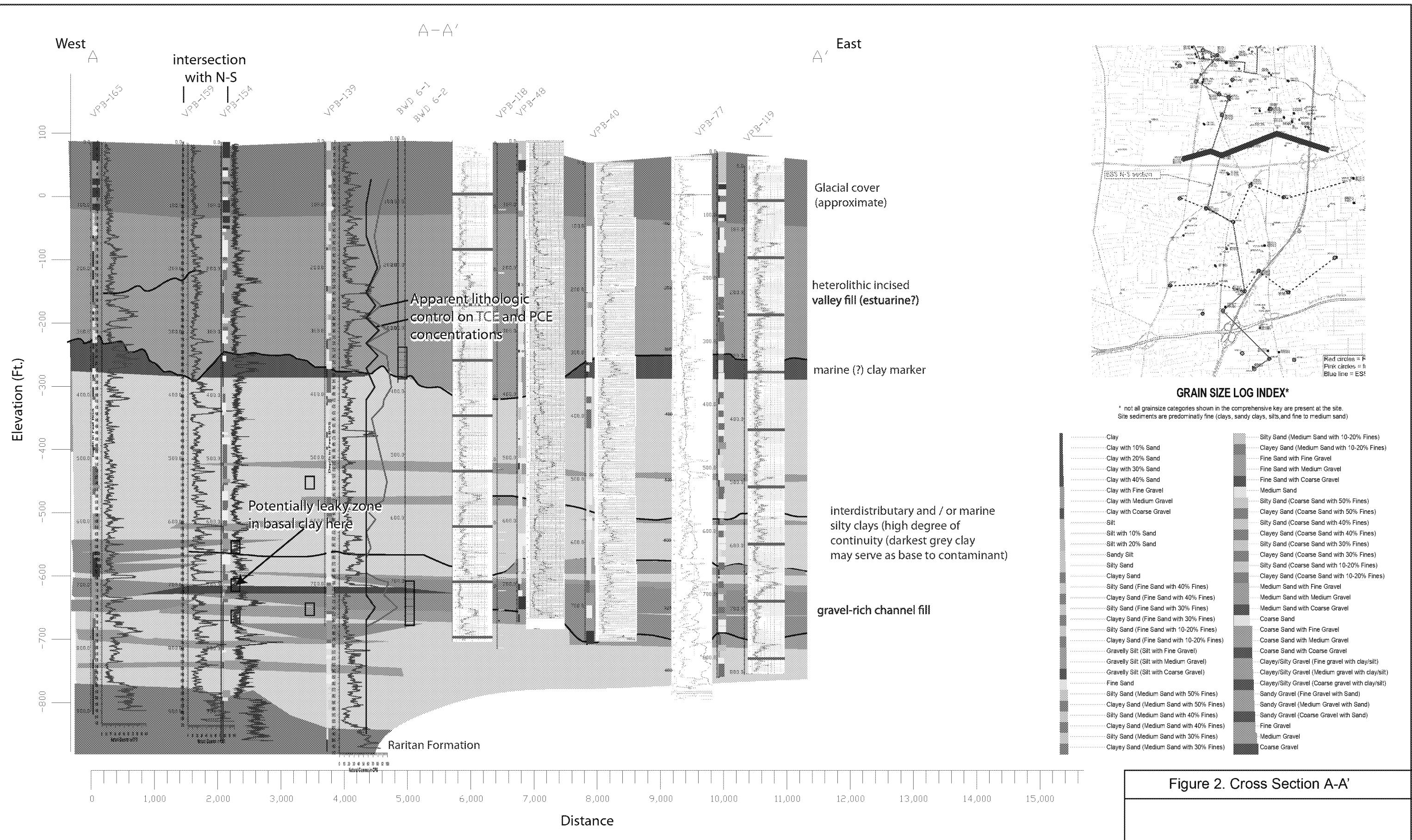


Figure 2. Cross Section A-A'

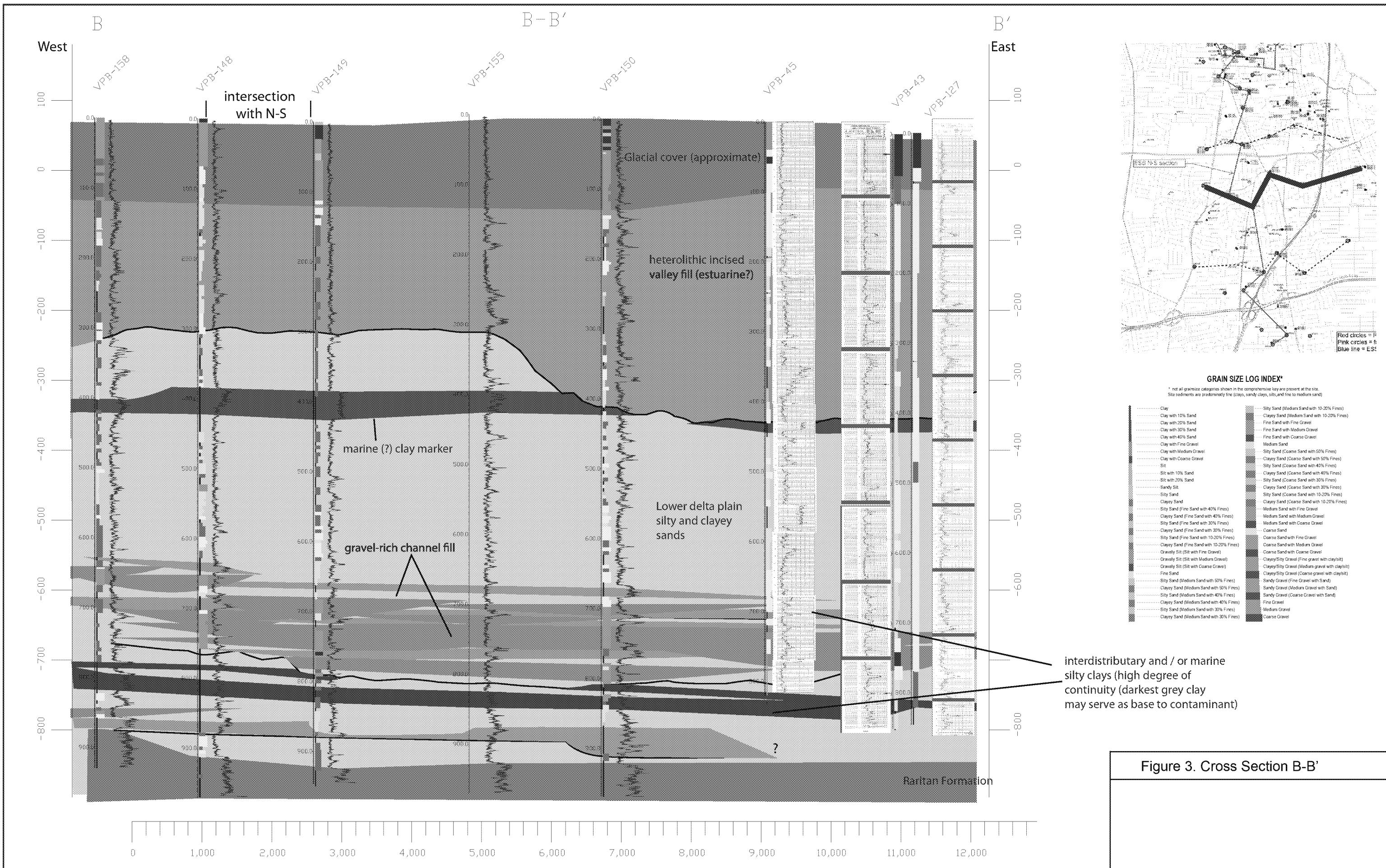


Figure 3. Cross Section B-B'

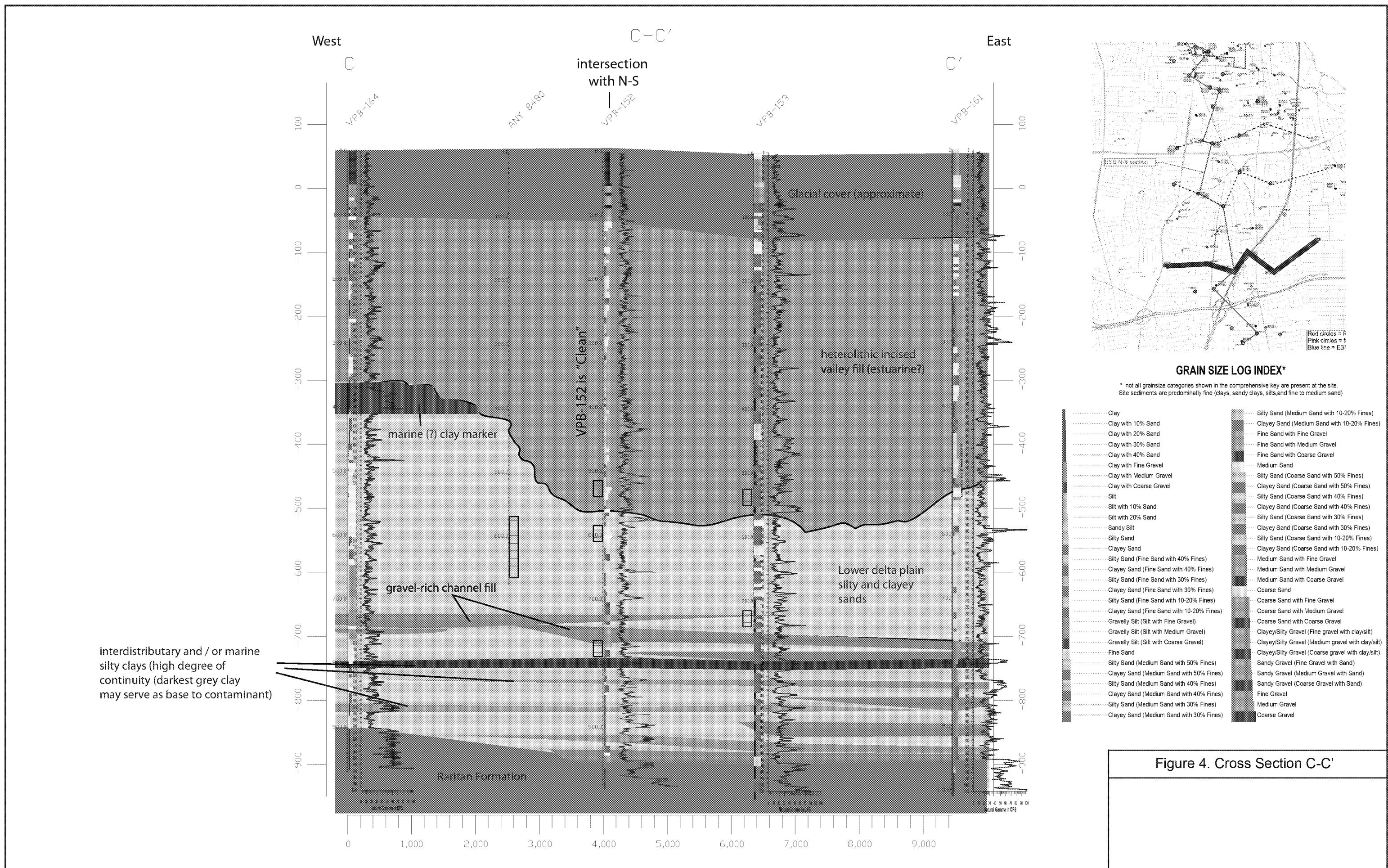
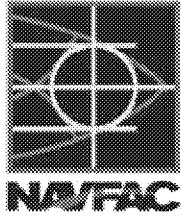
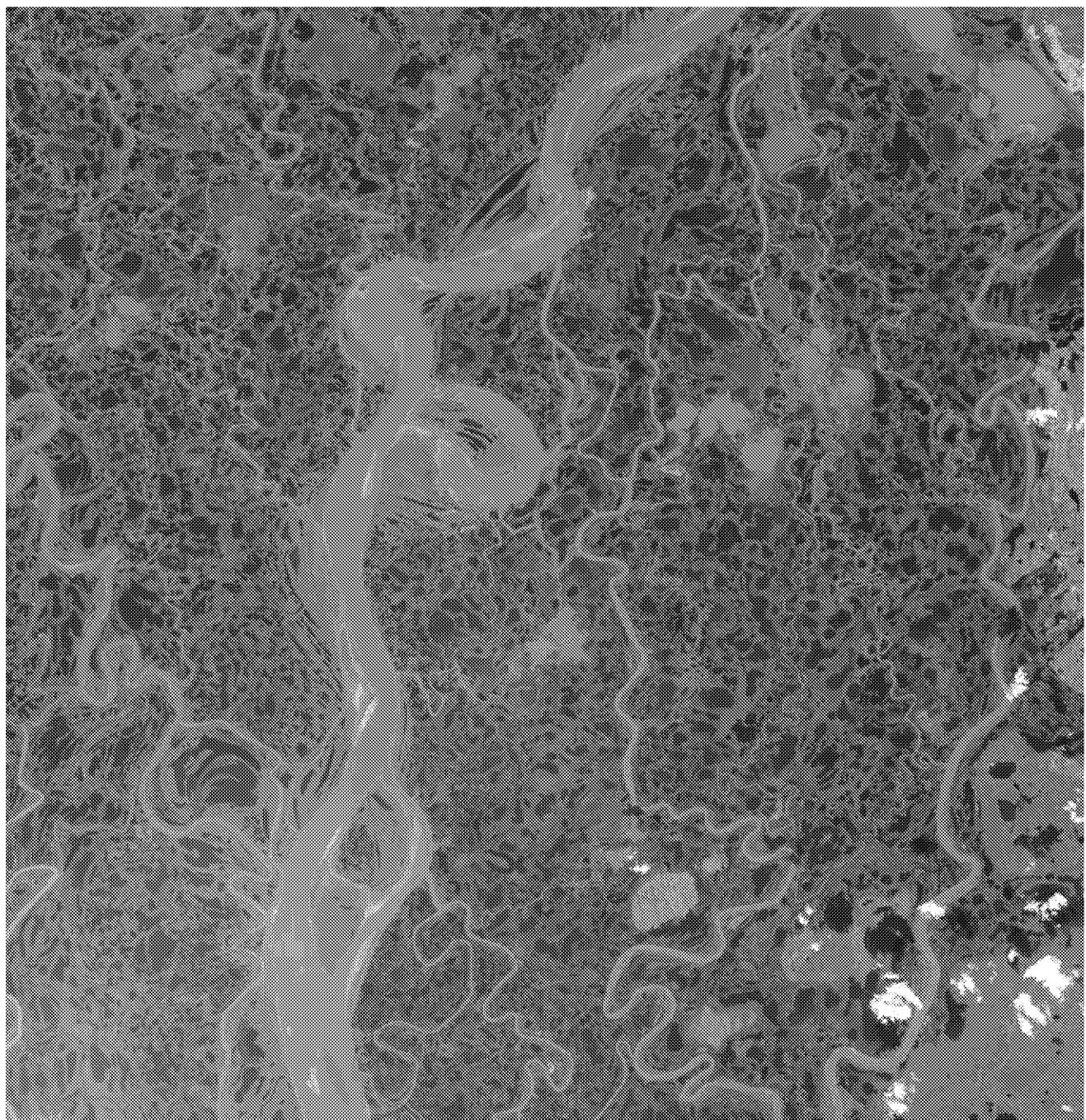


Figure 4. Cross Section C-C'



**Figure 5. Mackenzie River Delta Depositional Environment**

Source: Thermal Emission and Reflection Radiometer image from NASA's TERRA satellite, August 4, 2005, Mackenzie River, Canada. Image from GSFC/METI/ERSDAC/JAROS and the US/Japan ASTER Science Team. <http://earthobservatory.nasa.gov/IOTD/view.php?id=8320>



**Figure 6. Braided River Depositional Environment**

Source: East Fork Toklat River, Alaska Range, Denali National Park <https://pubs.usgs.gov/of/2004/1216/b/b.html>

